



Japan International Cooperation Agency



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Properties of Multiplication (2)	Properties of Multiplication (3)
Example Look at the multiplication table and answer the following questions.	Example Write the numbers in the .
Find the multiplication math sentence that has the same answer as $7 \times 4$ . $7 \times 4 = 4 \times 7^{-1} = 28$	$8 \times 6 = 30$ $3 \times 6 = 18$ $8 \times 6 = 30$
Multiplication math sentence that has the same answer as $9 \times 3$ .Multipliers $9 \times 3 = 3 \times 9 = 27$ $1 \ge 2 \ge 4 \le 8 \ 0 \ge 10 \ge 12 \le 4 \le 6 \ 0 \ge 12 \le 5 \ 0 \ge 12 \ge 12 \le 5 \ 0 \ge 12 \ge $	In multiplication, even if the <b>multiplicand</b> is divided up and calculated, the answer is still the same. In multiplication, even if the <b>multiplier</b> is divided up and calculated, the answer is also the same. Write the numbers in the . $9 \times 6 \begin{pmatrix} 5 \times 6 = 30 \\ 4 \times 6 = 24 \end{pmatrix}$ $9 \times 6 \begin{pmatrix} 6 & 24 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 &$
Find the multiplication math sentences that have the same answers as the following sentences. Then find the answers.	Altogether 54
<b>1</b> $7 \times 5 = 5 \times 7 = 35$ <b>2</b> $9 \times 4 = 4 \times 9 = 36$ <b>3</b> $2 \times 9 = 9 \times 2 = 18$ <b>4</b> $4 \times 6 = 6 \times 4 = 24$	$6 \times 8 \begin{pmatrix} 3 \times 8 = 24 \\ 3 \times 8 = 24 \end{pmatrix} = 8 \times 9 \begin{pmatrix} 4 \times 9 = 36 \\ 4 \times 9 = 36 \end{pmatrix}$
<b>5</b> 6 × 3 = <b>3</b> × <b>6</b> = <b>18 3 5</b> × 8 = <b>8</b> × <b>5</b> = <b>40</b>	Altogether 48 Altogether 72
$7 + x 5 = 5 \times 1 = 5 8 3 \times 2 = 2 \times 3 = 6$	$\begin{array}{c} \bullet \\ 7 \times 4 \end{array} = \begin{array}{c} 5 \times 4 = \begin{array}{c} 20 \\ 9 \times 5 \end{array} = \begin{array}{c} 6 \times 5 = \begin{array}{c} 30 \\ 9 \times 5 \end{array}$
$\begin{array}{c} \bullet \\ \bullet $	$2 \times 4 = 8$ Altogether 28 Altogether 45



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1 - 6 Properties of Multiplication Multiplication with 0	Properties of Multiplication       Multiplication by 10 and 100
Example Calculate the following multiplication problems.	Example 1 Calculate the following multiplication problems.
<ul> <li>1 7 × 0 = 0</li> <li>When a number is multiplied by 0, the answer is always 0.</li> <li>0 × 7 = 0</li> <li>Also, even when 0 is multiplied by a number, the answer is always 0.</li> </ul>	$20 \times 3 = 60$ $2 \times 3 = 6$ $10 \text{ times}$ $20 \times 3 = 60$ $0 \text{ times}$ $0 \times 3 = 60$ $0 \text{ times}$ $0 \text{ times}$
Calculate the following multiplication problems. $8 \times 0 =$ $0 \times 16 =$ $0 \times 16 =$	1       Calculate the following multiplication problems.         1 $20 \times 4 = \boxed{80}$ $30 \times 3 = \boxed{90}$
I played a scoring game. The score is the point written where the coin is stopped by flipping the coin with my finger. As a result of doing 1 times, the results were as follows. Calculate the total of my scores.	<b>5</b> $40 \times 6 = 240$ <b>5</b> $90 \times 8 = 720$ <b>6</b> $80 \times 5 = 400$ <b>7</b> Example 2 Calculate the following multiplication problems.
Where the coin     Number of coin     Score (points)       10     1       3     4       0     5       Total Score	$200 \times 3 = 600$ $2 \times 3 = 6$ $100 \text{ times}$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Calculate the following multiplication problems. $300 \times 3 =$ $900$ $500 \times 5 =$
10 + 12 + 0 = 22 Answer 22 points	3 $400 \times 6 = 2400$ 3 $800 \times 9 = 7200$ 5 $700 \times 7 = 4900$ 3 $600 \times 5 = 3000$



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2 - 3 Time Points and Time Intervals Shorter Time	2 - 4 Time Points and Time Intervals Making Time Problems
Instruction Shorter time than 1 minute.	Choose the story that indicates the following picture.
<ul> <li>There is a unit of time shorter than a minute. It is called a second.</li> <li>The third hand shows seconds and goes around just like the other hands.</li> <li>I minute = 60 seconds</li> </ul>	Answer B Answer B Answer B A Mathematics class starts A Mathematics class starts A Mathematics class starts at 8:40 a.m. and finishes at 9:20 a.m. A bus started at 9:40 a.m. and arrived at the last stop after 40 minutes.
<ul> <li>How many seconds does the </li> <li>How many minutes and</li> </ul>	Choose the story that indicates the following picture.
clock show? seconds is 85 seconds?	A A A A A A A A A A A A A A A A A A A
I min I5 seconds.	Answer A B at 12:10 p.m. I have to wait for 25 minutes more.
How many seconds is   minute? I minute × 60 seconds = 60 seconds. Close your eyes and count 10 seconds in your band Evacings have long 10 seconds in your	A I miss a bus, and the next bus will come at 10:00 a.m.
1 How many seconds do the following clocks show?	Answer A B It's 9:15 a.m. I have to go at 9:45 a.m. to pick up my mother.
45 seconds 2 Seconds 2 Seconds 2 Seconds 45	A A girl attended a science class at 12:40 p.m.
100 seconds 2 2 minutes minute 40 seconds. 120 seconds.	hour 30 minutes B A boy started his house at 11:40 a.m.
3 How long does it take to clap 10 times?	Answer B

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3 - 10 Addition and Subtraction Mental Arithmetic (1)	Addition and Subtraction Mental Arithmetic (2)
Example Calculate the following in your head.	Example Calculate the following in your head.
<b>1</b> 48 + 36 = 84 <b>2</b> 46 - 17 = 294	$ 320 + 298 = 618  000 - 312 = 688^{2} $
$\begin{array}{c} 48 + 36 \\ \hline 30 & 6 \\ \hline \\ First, 48 + 30 = 78 \\ \hline \\ Then 78 + 6 = 84 \end{array} \qquad $	320 + 298 = 1000 - 312 = 1000 - 3100 -
1 Calculate the following addition problems in your head.	1 Calculate the following addition problems in your head.
<b>1</b> $21 + 36 = 57$ $21 + 36$ <b>2</b> $15 + 53 = 68$ $15 + 53$	<b>1</b> 220 + 298 = <b>5</b> 18 <b>2</b> 350 + 398 = <b>7</b> 48
<b>3</b> $44 + 35 = \boxed{79}$ <b>(30) (6) (3)</b> $31 + 46 = \boxed{77}$ <b>(50) (3)</b>	3       240 + 498 =       738       3       510 + 199 =       709
<b>5</b> $53 + 36 = 89$ <b>6</b> $14 + 38 = 52$	(5)  330 + 299 = (629)  (5)  340 + 399 = (739)
7       47 + 38 =       85       3       27 + 67 =       94	$7 10 + 197 = 907 \qquad (3) 140 + 297 = 437$
$9  29 + 18 = 47 \qquad 10  47 + 24 = 71$	9560 + 397 = 957 $130 + 496 = 626$
2 Calculate the following subtraction problems in your head.	2 Calculate the following subtraction problems in your head.
<b>1</b> $85 - 13 = 72$ $85 - 13$ <b>2</b> $64 - 21 = 43$	$1000 - 322 = 678 \qquad 2  1000 - 354 = 646$
<b>3</b> $56 - 45 = 11$ <b>(10) (3) (3)</b> $38 - 15 = 23$ <b>(4) (4) (3)</b>	3       1000 - 682 =       318       472
<b>3</b> 38 - 17 = <b>2 3 3 3 3 3 3 3 3 3 3</b>	<b>5</b> $1000 - 456 = 544$ <b>3</b> $1000 - 672 = 328$
$7  41 - 28 = 13 \qquad $	7       1000 - 582 =       418       8       1000 - 264 =       736
	I 000 - 878 =       I22       III       IIII       IIII       IIIII       IIIIII       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII

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4 - 1 How Many for Each Person ?	Example 2 Find the answer for the following division problem.     Number of objects     Total number
Example 1 There are 12 biscuits. If they are divided evenly among 4 people, how many biscuits will   person get? Make a math sentence.	$12 \div 4 = 3$ for   person of objects When each Number of people $0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0 \oplus 0 \oplus 0 \oplus 0$ $0 \oplus 0 \oplus 0 \oplus 0 \oplus 0 \oplus 0 \oplus 0 \oplus 0$ $0 \oplus 0 $
When 12 biscuits are divided evenly among 4 people, 1 person gets 3 biscuits.	
This is written as the math sentence below:	3 biscuit 3 × 4 = 12
Image: Image	The answer to $ 2 \div 4$ is the number that goes in the $\qquad \qquad $
1 Write the <b>division</b> symbol.	Read the following questions and write the math sentences. Then find the answers.
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	There are 24 pieces of candy. If 6 children share them equally, how many pieces of candy will each child get?
2 Read the following questions and write the math sentences.	Math sentence $24 \div 6 = 4$ Answer 4 pieces of candy
There are 12 pieces of candy. If 3 children share them equally, how many pieces of candy will each child get?	There are 32 pencils. If 4 children divide them evenly, how many pencils will each child get?
sentence 12÷3	Math sentence $32 \div 4 = 8$ Answer 8 pencils
There are 14 pencils. If 2 children divide them evenly, how	3 There are <sup>15</sup> oranges. If <sup>5</sup> children share them equally, how many oranges will each child get?

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How Many People ?	4 - 3 Making Division Problems
• Example There are 12 chocolates. If we give 4 chocolates to each child, how many children can share the chocolates? Make a math sentence and find the answer.	Example Look at the following picture, math sentence an answer. Then choose the most appropriate problem sentence.
<ul> <li>If 12 chocolates are divided so each child gets 4, the chocolates can be shared among 3 children.</li> <li>Even in this case, it can be written with the following division math sentence.</li> <li>12 ÷ 4 = 3</li> <li>Number of objects</li> <li>Number of objects for 1 person</li> <li>Answer 3 children</li> </ul> Read the following questions and write the math sentences. Then find the answer. There are 20 flowers. If we give 4 flowers to each person, how many people can share the flowers? Math sentence 20 ÷ 4 = 5 Answer 5 people There are 36 balls. If we put 9 balls in each basket, how many baskets do we need? Math sentence 36 ÷ 9 = 4 Answer 4 baskets There is a ribbon that is 24 cm long. We want to cut an 8 cm	<ul> <li>Math sentence 24 ÷ 6 = 4</li> <li>Answer 4 donuts</li> <li>Answer 4 donuts</li> <li>Answer 4 donuts</li> <li>Answer 4 donuts</li> <li>There are 24 donuts. If we give 4 donuts to each child, how many children can share the donuts?</li> <li>There are 24 donuts. If 6 children share the donuts equally, how many donuts will each child get?</li> <li>There are 6 children. If each child has 4 donuts, how many donuts are there altogether?</li> <li>Look at the following picture, math sentence and answer. The choose the most appropriate problem sentence.</li> <li>Answer 4 bananas</li> <li>There are 6 packages, each of which has 3 cans of juice. How many cans of juice are there altogether?</li> <li>There are 10 person can get?</li> <li>There are 6 packages, each of which has 3 cans of juice. If 6 peoplishare them equally, how many cans or juice are there altogether?</li> </ul>

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<b>4</b> – <b>4</b> Division Divide 0 and Divide by 1	<b>4</b> - <b>5</b> Division Calculations for Finding Times as Much
<ul> <li>Example 1 Some chocolates in a box will be shared equally among 4 children. How many chocolates does each child get in the following situations?</li> </ul>	Example The length of a pencil is 18 cm. The length of an eraser is 6 cm. How many times as long is the pencil than the eraser?
Image: When there are 8 chocolatesImage: 8 $\div 4 = 2$ Image: 8 $\div 4 = 1$ Image: 8 <b>1</b> $\div 4 = 1$ Image: 8	Pencipi Pencipi Fraser Pencipi 6  cm - 6  cm
1Calculate the following division problems.1 $0 \div 2 = 0$ 2 $0 \div 4 = 0$ 3 $0 \div 8 = 0$ 2 $0 \div 5 = 0$ 5 $0 \div 3 = 0$ 3 $0 \div 7 = 0$	<ul> <li>Answer the following questions.</li> <li>There is a red ribbon and a blue ribbon. The length of the red ribbon is 36 cm. The length of the blue ribbon is 9 cm. How many times as long is the red ribbon as the blue ribbon?</li> </ul>
<b>Example 2</b> There are 8 chocolates. If there is only   person here, how many chocolates does this person get? $8 \div 1 = 8$ Answer 8 chocolates	<ul> <li>Math sentence 36 ÷ 9 = 4 Answer 4 times</li> <li>There are 21 cans of orange juice and 7 cans of grape juice. How many times as many cans of orange juice are there as cans of grape juice?</li> </ul>
The answer to $8 \div 1$ is the number that goes in the . $X \downarrow = 8$	Math sentence $2  \div 7 = 3$ Answer $3$ times
2 Calculate the following division problems. 1 $7 \div   = 7$ 2 $9 \div   = 9$ 3 $\div   = 3$	<ul> <li>There are 42 pieces of coloured paper and 6 pieces of white paper. How many times as many coloured paper are there as white paper?</li> <li>Math 42 ÷ 6 = 7</li> </ul>
$0$ $5 \div 1 = 5$ $0$ $4 \div 1 = 4$ $0$ $6 \div 1 = 6$ 36	sentence 42 - 0 - / Allswei / Unies

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<b>4</b> - <b>6</b> Division Divide a Large Number (1)	<b>4</b> - 7 Division Divide a Large Number (2)
Scample 90 sheets of coloured paper are divided evenly among 3 people. How many sheets of coloured paper will each person get?	Example 96 sheets of coloured paper are divided evenly among 3 people. How many sheets of coloured paper will each person get?
Coloured paper People $0$ sheets $0$ sheets $0$ sheets $0$ $0$ sheets $0$ $0$ sheets $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$	We are dividing bundles of 10 sheets and individual sheets. Therefore, the following calculation way can be used. 96 90 6 $\frac{90 + 3 = 30}{4100000000000000000000000000000000000$
Math     90 ÷ 3 = 30     Answer     30 <sup>P</sup> sheets of coloured paper       Answer the following questions.     0 60 sheets of paper are divided evenly among 3 people. How many sheets of paper will each person get?	Answer the following questions. 84 sheets of paper are divided evenly among 4 people. How many sheets of paper will each person get?
Math sentence $60 \div 3 = 20$ Answer 20 paper	Math sentence $84 \div 4 = 21$ Answer $21$ sheets of paper
2 50 cupcakes are divided evenly among 5 children. How many cupcakes will each child get?	36 chocolates are divided evenly among 3 children. How many chocolates will each child get?
Math sentence $50 \div 5 = 10$ Answer 10 cupcakes	Math sentence $36 \div 3 = 12$ Answer 12 chocolates
60 pencils are divided evenly among 2 students. How many pencils will each student get?	68 coloured pencils are divided evenly among 2 students. How many coloured pencils will each student get?
Math sentence $60 \div 2 = 30$ Answer 30 pencils	Math sentence $68 \div 2 = 34$ Answer $34$ coloured pencils

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4 - 8 Review	5 - 1 Tape Measure
1 Calculate the following division problems.	Instruction How to measure the size of a classroom?
$1   12 \div 3 = 4   2   15 \div 5 = 3   3   24 \div 4 = 6$	
<b>4</b> $32 \div 8 = 4$ <b>5</b> $49 \div 7 = 7$ <b>6</b> $45 \div 5 = 9$	we need to measure many times using a ruler. so
<b>7</b> $ 4 \div 2 = 7$ <b>8</b> $45 \div 9 = 5$ <b>9</b> $0 \div 4 = 0$	Why don't we use another tool, a tape measure?
<b>0</b> 7 ÷ 1 – 7 $0$ 80 ÷ 2 – 60 $0$ 63 ÷ 3 – 21	Set the "0" position on the scale, carefully.
2 Answer the following questions	Innimitaninain
There are 48 pieces of candy. If 8 children share them equally,	
how many pieces of candy will each child get?	
Math sentence $48 \div 8 = 6$ Answer6pieces of candy	Read the lengths of the ↓ on the tape measures below.     A B A is 7 m 10 cm
There are 36 flowers. If we put 4 flowers in each vase, how many vases do we need?	тин на
Math sentence $36 \div 4 = 9$ Answer 9 vases	② Draw an ↓ to show the lengths of C and D on the tape measure below.
There are 24 black pens and 6 red pens. How many times as many black pens are there than red pens?	C: 2 m 30 cm
Math sentence $24 \div 6 = 4$ Answer4times	Read the lengths of the <b>J</b> on the tape measures below
3 Look at the following picture, math sentence and answer.	
Then choose the most appropriate problem sentence.	
(a) There are 15 cupcakes. If we give 3 cupcakes to each child, how many children can share	A $B$ $30 40 50$ $B$ is 12 m 38 cm.
the cupcakes?	արարարարարարարարարությունը 60 70 80 90 12m 10 20 30 40 50 60 70 80 90 13m 10
the cupcakes equally, how many cupcakes will	2 Draw an ↓ to show the lengths of C, D and E on the tape
(c) There are 5 children. If each child has 3	measure below.
$\frac{\text{Math}}{\text{sentence}}   5 \div 5 = 3 \qquad \text{cupcakes, how many cupcakes are there} \\ \text{altogether?}$	C:2m50cm D:2m80cm Januara and a substantia
Answer 3 cupcakes	E:3 m 50 cm

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5 - 4 Various Units	s of Length	5 - 5 Length Review
Example Fill in the with the appropriate	ate unit of length.	Read the lengths of the $\downarrow$ on the tape measure below.
The length of a pencil.	I5 cm	A is 4 m 90 cm. → → → → → → → → → → → → → → → → → → →
O The thickness of a notebook.	3 mm	2 What is the direct distance and the travel distance between the following places?
The distance walked in an hour.	4 km	Between the house and the building.
Fill in the with the appropriate unit of leng	gth.	Direct distance is 650 m Travel distance is 720 m
1 The width of a notebook.	21 cm	<ul> <li>Between the house and the school.</li> </ul>
2 The length of a classroom.	8 m	Direct distance is 500 m Travel distance is 750 m
3 The length between ruled lines in a note	bbook. 7 mm	3 Convert the lengths to m, km / km and m.
Intellength of a step.	60 <b>cm</b>	1 $km = 1000 m$ 2 $3000 m = 3 km$
5 The distance walking in an hour.	5 km	3 $  km 500m = 1500 m$ 3 5895 m = 5 km 895 m
		Fill in the with the appropriate unit of length.
6 The length of a pen.	12 <b>cm</b>	The travelling distance of a hiking trail.
The width of a staple.	8 <b>mm</b>	The thickness of a coin.     mm

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- 15						Type Month March April May Total
$\mathbf{O}$		Orga	nizing Data	a Using 1	Tables	T-shirt 26 32 52 110
						Shirt 50 41 11 102
• Exam	ple 1 The ta	bles be	low show w	hat types	of weath	Hoodie 34 17 12 63
	there v	was in Ju	une. Julv. an	d August	to determir	Total 110 90 75 275
	harves	ting time.				In which month were the most T-shirts sold?
We	ather in June	Weat	ther in July	Weathe	r in August	
Туре о	of Number of	Type of	Number of	Type of	Number of	Example 2 The tables below show what types of weather we
weath	er days (Days)	weather	· days (Days)	weather	days (Days)	more in September and October. Combine the b
Sunny	6	Sunny		Sunny	15	graphs.
Cloud	y 10	Cloudy	6	Cloudy	5	Type Month September October Total
Rainy	14	Rainy	14	Rainy		Sunny 6 12 18
Total	30	Total	31	Total	31	Cloudy 9 10 19
-						Rainy 15 9 24
U V	Vhich month ha	id the mo	ost number of	sunny da	ys?	Total 30 31 61
<b>2</b> F	ill in the blanks Type Month Sunny Cloudy Rainy	to make	the combine July Au 6      0 6 4    4	ed table. ugust Tot 15 5	al 32 21 39	0 10 20 (Days) Soccer Cloudy Rainy
	Total	3	JO 31	31	92	You can see what kind of weather there were
	TI	1. 1. 11		1		in the two months.
	From Ju	ne to August,	s easy to see and c the number of sun	ompare data. ny days is incre	asing.	
						2 Combine the bar graphs in the following ways.
1 Th Marc	e tables below ch, April, and M othes for store. s for March	/ show th ay. The s Sale	ne total sales store owner is es for April	for a clot s thinking Sale	hing store of the numb es for May	
of clo Sale		Type of	Number of	Type of	Number	<ol> <li>By adding two bars together.</li> <li>By lining bars side by si</li> </ol>
of clo Sale Type of	Number of	l i ybc oi	1	item	Pieces	0 100 200 0 100 200
of clo Sale Type of tem	Number of Pieces	item	Pieces	nom		
of clo Sale Type of tem T-shirt	Number of Pieces 26	item T-shirt	Pieces 32	T-shirt		
of clo Sale Type of tem T-shirt Shirt	Number of Pieces 26 50	item T-shirt Shirt	Pieces           32           41	T-shirt Shirt		
of clo Sale Type of tem T-shirt Shirt Hoodie	Number of Pieces 26 50 34	T-shirt Shirt Hoodie	Pieces         32           41         17	T-shirt Shirt Hoodie		

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Find the numb marks. The tal survey about the	er of people w ble below sum best three fav	Review who were surv marizes the vorite fruits. C	veyed by us results of Convert the t	sing tally a class tally into	<b>1</b> 4(		e mark	<b>2</b> 4( 30	(Peo	ople) On	e mark	opl
Apple Banana Banana Orange	Avocado Banana	Mango Manana (	Mango M Orange B	Mango Banana	0		bar shows 25 cm	10		H The	350 pe	ws opl
Grape Mango	Banana Jon Orange	Mango (	Orange		4 Con	struct the ba	r graph by	using the	table	below.		
Banana Banana	Mango	Mango E	Banana		Vehicles from 9:00	that passed i a.m. to 9:30	n front of s a.m.	chool sci	/ehicles hool fro	s that pas om 9:00 a.	sed in fror .m. to 9:30	nt of a.r
Mango /// Orange /// Other ///	4    4   1	-			Kind Bike	Number of (Vehicles)	vehicles		10			
					Car		5	Г	4			
Favorite fruits Number of peopl	Banana Ma e 10	ango Orange 7 6	e Other 4	<b>10tal</b> 27	Bus		2		0	aike	sng	
Favorite fruits           Number of peopl           2         A girl created fabsent from her class newspaper           (Number Absent stuit)	Banana Ma e 10 he bar graph b class over for	ango     Orange       7     6       by tallying the ur months to onths	number of s	students rticle for	Bus 5 The March table. Sales	tables below , April, and I	2 v show the May. Fill in Sales	total sale the blan	0 es for ks to	a station make th	hary sho	p 1 pin
A girl created fabsent from her class newspaper       (Number Absent studied for the class newspaper)	Banana Ma e 10 he bar graph b class over for dents in four mo	ango Orange 7 6 by tallying the ur months to onths 1 How r	e Other 4 number of s write an ar	students rticle for	Bus 5 The March table. Sales Type of	tables below , April, and I for March Number of	2 / show the May. Fill in Sales Type of	total sale the blan for April Number	0 es for ks to of	a station make th Sales	nary sho ne comb s for May Number	p f
A girl created fabsent from her class newspaper       Number       A girl created fabsent from her class newspaper       Number       Absent study	Banana Ma e 10 he bar graph b class over for Jents in four mo	ango Orange 7 6 by tallying the ur months to onths 1 How r absent	number of s write an ar many studer	students rticle for	5 The March table. Sales Type of item	tables below , April, and I for March Number of Pieces	2 v show the May. Fill in Sales Type of item	total sale the blan for April Number Pieces	0 es for a ks to	a station make th Sales	ary sho ne comb s for May Number Pieces	p †
Favorite fruits     Number of peopl     A girl created t     absent from her     class newspaper     Number     Absent stud     fpeople)	Banana Ma	ango     Orange       7     6       by tallying the ur months to       onths       How r       absent	e Other 4 number of s write an ar many studer : in July? 4 stu	total 27 students rticle for ints were idents	5 The March table. Sales Type of item Pen	tables below , April, and I for March Number of Pieces	2 y show the May. Fill in Sales Type of item Pen	total sale the blan for April Number Pieces	0 es for ks to of T it	a station make th Sales Type of tem	ary sho ne comb s for May Number Pieces	p
Favorite fruits Number of peopl	Hanana Ma	Image     Orange       7     6       by tallying the ur months to       onths       1     How n       2     How n	e Other 4 number of s write an ar many studer in July? 4 studer studer 4 studer	Iotal       27       students       rticle for	Bus 5 The March table. Sales Type of item Pen Notebook	tables below, April, and I for March Number of Pieces 18 16	2 / show the May. Fill in Sales Type of item Pen Notebook	total sale the blan for April Number Pieces	of T 19 F 16 N	a station make ti Sale: ype of em lotebook	s for May Number Pieces	p
Favorite fruits Number of peopl	Hanana Ma	Image     Orange       7     6       by tallying the ur months to       onths       1     How n absent       2     How n absent	many studer many studer many studer many studer at stucer many studer many studer many studer many studer	Iotal       27       students       rticle for	Bus 5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46	2 y show the May. Fill in Sales Type of item Pen Notebook Other Total	total sale the blan for April Number Pieces	0 es for - ks to of T 19 F 16 8 C 43	a station make th Sale: ype of em lotebook Dther otal	ary sho he comb	p
Favorite fruits Number of peopl	Isanana Ma	Image     Orange       7     6       by tallying the ur months to       onths       1     How n absent       2     How n absent	many studer i July? 4 studer i July? 4 studer attogether?	Iotal       27       students       rticle for	Bus 5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46	2 v show the May. Fill in Sales Type of item Pen Notebook Other Total	total sale the blan i for April Number Pieces	0 es for ks to of T 19 16 43 T	a station make th Sale: ype of em lotebook Dther Total	s for May Number Pieces	p
Favorite fruits Number of peopl	Hanana Ma	Image     Orange       7     6       9     tallying the ur months to       0     tallying the ur months to       1     How n absent       2     How n absent	many studer i July? 4 stu many studer i July? 4 stu many studer i altogether?	Iotal       27       students       rticle for	Bus 5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46 Type Month Pen	2 v show the May. Fill in Sales Type of item Pen Notebook Other Total	total sale the blan i for April Number Pieces	of T it 19 16 43 May	a station make th Sale: ype of eem lotebook Dther Tota	arry sho he comb s for May Number Pieces	p
Pavorite fruits Number of peopl	Hanana Ma a 10 he bar graph b class over for dents in four mo	ange     Orange       7     6       9     tallying the ur months to       onths     1       1     How n absent       2     How n absent	many studer in July? 4 stu many studer altogether? 15 stu	students rticle for ents were idents idents	Bus 5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46 Type Month Pen Notebook	2 v show the May. Fill in Sales Type of item Notebook Other Total March	total sale the blan for April Number Pieces	0 es for ks to of T 19 16 8 43 T May	a station make th Salee ype of em Pen Jotebook Dither Total 18	arry sho he comb s for May Number Pieces	p
Pavorite fruits Number of peopl absent from her class newspaper (Number of people)	Anana Ma	Image     Orange       7     6       by tallying the ur months to       onths       How rabsent       How rabsent	e     Other       4     4       1     4       1     1       1     1       1     1       4     1       4     1       4     1       4     1       4     1       4     1       4     1       4     1       4     1       4     1       1     1       1     1       1     1	27 students rticle for ants were udents nts were udents	5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46 Type Month Pen Notebook Other	2 v show the May. Fill in Sales Type of item Pen Notebook Other Total March III March	total sale the blan s for April Number Pieces	0 of T it 19 6 8 3 43 T May	a station make th Sale: ype of em Pen Jotebook Dther otal Total	s for May Pieces	p
Pavorite fruits Number of peopl absent from her class newspaper (Number of people)	Hanana Ma	Image     Orange       7     6       by tallying the ur months to       onths       How rate       How rate       How rate       How rate	e     Other       4     4       1     1       a number of so write an ar       many studer       in July?       4     stu       many studer       altogether?       15	27 students rticle for ants were udents ints were udents	Bus 5 The March table. Sales Type of item Pen Notebook Other Total	tables below, April, and I for March Number of Pieces 18 16 12 46 Type Month Pen Notebook Other Total	2 v show the May. Fill in Sales Type of item Pen Notebook Other Total March March 44 44	total sale the blan s for April Number Pieces	0 es for ks to of T it 19 F K C T May	a station make th Sale: ype of eem Jotebook Dther Total 17 10 45	s for May Pieces	p

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<ul> <li>Example There are 14 chocolates. If we give 3 chocolates to each child, how many children can get chocolates?</li> <li>If you divide 14 chocolates by giving 3 to each child, you can give chocolates to 4 children and 2 will be left.</li> <li>You can write the math sentence as follows: <ul> <li>I + 3 = 4</li> <li>R 2</li> </ul> </li> <li>Answer 4 children can get chocolates and 2 chocolates will be left.</li> </ul> <li>Answer 4 children can get chocolates and 2 chocolates will be left.</li> <li>There are 31 flowers: <ul> <li>I here are 31 biscuits. If we give 5 flowers to each person, how many people can get flowers?</li> <li>Math sentence 31 ÷ 6 = 5</li> <li>R 1</li> <li>Answer 5 children can get biscuits to each child, how many polices of candy and 2 pieces will be left.</li> </ul> </li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many people can get flowers?</li> <li>Math 31 ÷ 6 = 5</li> <li>R 1</li> <li>Answer 5 children can get biscuits and 1 biscuit will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many peoples will each student can get 4 peoples and 2 pieces will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many peoples will each student can get 3 pieces of candy and 2 pieces will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many peoples will each student can get 4 pencils and 3 pencils will be left.</li> <li>There are 31 biscuits. If we give 6 biscuit will be left.</li> <li>There are 31 biscuits. If we give 6 biscuit will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many pencils will each student can get 4 pencils and 3 pencils will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many pencils will each student can get 4 pencils and 3 pencils will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits are 1 biscuit will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits</li>	Division with Remainders       How Many People ?	7 - 2 Division with Remainders How Many for One Person ?
When each person gets to 4 children and 2 will be left. You can write the math sentence as follows: $1 \div 3 = 4$ R2 Answer 4 children can get chocolates will be left. Answer 4 children can get chocolates and 2 chocolates will be left. Answer 4 children can get chocolates and 2 chocolates will be left. Answer 4 children can get chocolates and 2 chocolates will be left. Answer 4 children can get flowers? Math sentence 21 flowers and 1 flower will be left. Answer 5 children can get biscuits are 1 flower will be left. Answer 5 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 6 children can get biscuits and 1 biscuit will be left. Answer 7 who many pieces of ribbon that is 60 cm long. We need pieces of ribbon can we get? Math sentence 6 children can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 7 we can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 8 wer 8 pieces of ribbon and 4 cm of ribbon will be left. Answer 8 wer 8 pieces of ribbon and 4 cm of ribbon will be left.	<ul> <li>Example There are 14 chocolates. If we give 3 chocolates to each child, how many children can get chocolates?</li> <li>If you divide 14 chocolates by giving 3 to each child, you can give chocolates</li> </ul>	Example There are 16 biscuits. If we divide evenly them among 3 people, how many biscuits will each person get? How many biscuits will be left?
Answer 4 children can get chocolates and 2 chocolates will be left. Answer 4 children can get chocolates and 2 chocolates will be left. Answer the following questions. There are 21 flowers. If we give 5 flowers to each person, how many people can get flowers? Math sentence $21 \div 5 = 4$ R 1 Answer 4 people can get flowers and 1 flower will be left. There are 31 biscuits. If we give 6 biscuits to each child, how many children can get biscuits? Math $31 \div 6 = 5$ R 1 Answer 5 children can get biscuits and 1 biscuit will be left. There is a ribbon that is 60 cm long. We need pieces of ribbon that are 7 cm long each. How many pieces of ribbon can we get? Math sentence $60 \div 7 = 8$ R 4 Answer We can get 8 pieces of ribbon and 4 cm of ribbon will be left. Answer We can get 8 pieces of ribbon and 4 cm of ribbon will be left.	to 4 children and 2 will be left. You can write the math sentence as follows:	When each person gets 4 biscuits $\rightarrow$ 4 $\times$ 3 = 12 $\rightarrow$ 4 biscuits are left 5 biscuits $\rightarrow$ 5 $\times$ 3 = 15 $\rightarrow$ 1 biscuits are left
Answer the following questions.Answer the following questions.Answer Each person can get $5$ biscuits. I biscuit will be left.Image: Answer interaction in the sentence interaction in the sentence interaction in the sentence interaction in the sentence interaction interaction in the sentence interaction interacti	Answer 4 children can get chocolates and 2 chocolates will be left.	6 biscuits $\rightarrow$ 6 $\times$ 3 = 18 $\rightarrow$ 2 biscuits short Math sentence 16 $\div$ 3 = 5 R I
Answer4people can get flowers and1flower will be left.2There are 31 biscuits. If we give 6 biscuits to each child, how many children can get biscuits?AnswerEach child can get 3pieces of candy and 2pieces will be leftMath sentence $31 \div 6 = 5$ R 1RThere are 23 pencils. If 5 students divide them evenly, how many pencils will each student get?Answer $5$ children can get biscuits and1biscuit will be left.There are 23 pencils. If 5 students divide them evenly, how many pencils will each student get?3There is a ribbon that is 60 cm long. We need pieces of ribbon that are 7 cm long each. How many pieces of ribbon can we get?AnswerEach student can get 4pencils and 3pencils will be left.Math sentence $60 \div 7 = 8$ R 4AnswerThere are 40 lemons. If we divide them evenly among 7 people, how many lemons will each person get?Math sentence $60 \div 7 = 8$ R 4AnswerEach people can get 5lemons will be left.	Answer the following questions. There are 2   flowers. If we give 5 flowers to each person, how many people can get flowers? Math sentence 2   ÷ 5 = 4 R	Answer Each person can get 5 biscuits. I biscuit will be left. Answer the following questions. There are 14 pieces of candy. If we divide them evenly among 4 children, how many pieces of candy will each child get? Math 14 $\div$ 4 = 3 R 2
Answer5children can get biscuits and1biscuit will be left.AnswerEach student can get4pencils and3pencils will be left.(3) There is a ribbon that is 60 cm long each. How many pieces of ribbon that are 7 cm long each. How many pieces of ribbon can we get?AnswerEach student can get4pencils and3pencils will be left.Math sentence $60 \div 7 = 8$ R 4Math sentence $40 \div 7 = 5$ R 5AnswerWe can get8pieces of ribbon and4cm of ribbon will be left.AnswerEach people can get5AnswerEach people can get5lemons will be left.AnswerEach people can get5	<ul> <li>Answer 4 people can get flowers and 1 flower will be left.</li> <li>There are 31 biscuits. If we give 6 biscuits to each child, how many children can get biscuits?</li> <li>Math sentence 31 ÷ 6 = 5 R  </li> </ul>	<ul> <li>Answer Each child can get 3 pieces of candy and 2 pieces will be left</li> <li>There are 23 pencils. If 5 students divide them evenly, how many pencils will each student get?</li> <li>Math sentence 23 ÷ 5 = 4 R 3</li> </ul>
Math sentence       60 ÷ 7 = 8       R 4       Math sentence       40 ÷ 7 = 5       R 5         Answer       We can get       8       pieces of ribbon and       4       cm of ribbon will be left.       Answer       Each people can get       5       lemons will be left.	Answer 5 children can get biscuits and 1 biscuit will be left. There is a ribbon that is 60 cm long. We need pieces of ribbon that are 7 cm long each. How many pieces of ribbon can we get?	<ul> <li>Answer Each student can get 4 pencils and 3 pencils will be left.</li> <li>There are 40 lemons. If we divide them evenly among 7 people, how many lemons will each person get?</li> </ul>
	Math sentence     60 ÷ 7 = 8     R 4       Answer     We can get     8     pieces of ribbon and     4     cm of ribbon will be left.	Math sentence $40 \div 7 = 5$ R 5 Answer Each people can get 5 lemons and 5 lemons will be left.

7 - 3 Division with Remainders Checking the Answer	7 - 4 Division with Remainders Division Problems
Instruction You can check the answer to the division of $23 \div 4$ by doing the calculation shown below. $23 \div 4 = 5$ R 3 $4 \times 5 + 3$ $23 \div 4 = 5$ R 3 $4 \times 5 + 3 = 23$ Example Calculate the following and check the answer by writing the numbers in the	Example       There are 26 biscuits. We are going to divide the biscuits so each person can get 6 biscuits. How many people can get biscuits and how many biscuits will be left?         Math sentence       26 ÷ 6 = 4       R 2         Answer       4 people can get biscuits and 2 biscuits will be left.
$35 \div 4 = \boxed{8}  \boxed{R}  \boxed{3}$ Check the answer $4 \times \boxed{8} + \boxed{3} = \boxed{35}$	Answer the following questions. There are 30 donuts. We are going to divide the donuts so each child can get 4 donuts. How many children can get donuts and how many donuts will be left? Math
Calculate the following problems and check the answer by writing the numbers in the <b>1</b> 33 $\div$ 4 = 8 R   <b>2</b> 15 $\div$ 9 =   R 6 Check the answer 4 $\times$ 8 +   = 33 9 $\times$   + 6 = 15	30 ÷ 4 = 7       R 2         Answer       7 children can get donuts and 2 donuts will be left.         (2) We are dividing 32 chocolates among 9 people evenly. How many chocolates will each person get and how many chocolates will be left?
Image: 4 to 1 and 2 to 2 t	Main sentence       32 ÷ 9 = 3       R 5         Answer       Each person can get 3 chocolates and 5 chocolates will be left.         (3)       There are 45 sheets of coloured paper. There are 8 student and each student will receive 5 sheets each. Will there be enough coloured paper?
8 × $6$ + $3$ = $51$ 9 × $3$ + $6$ = $33$ Look at 0.0 and 0. The dividends are "15," "24," and "33," respectively. If the dividends will be "42" and "51," how about the answers?	Math sentence $45 \div 8 = 5$ R 5AnswerThere are enough sheets of coloured paper.
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7 - 5 Division with Remainders Problems Dealing with Remainders (1)	7 - 6 Division with Remainders Problems Dealing with Remainders (2)
Example There are 27 sweets. We are going to put 6 sweets in one box. How many boxes do we need if we put all sweets in boxes?	Example We have 45 flowers. We are making bouquets that have 7 flowers each. How many bouquets can we make?
$\begin{array}{c} 27 \div 6 = 4  \text{R3. If we have 4 boxes, the remaining 3 sweets do not fit in the box. There is another box to put the remaining 3 sweets. \\ \hline \\ \text{Math sentence} \end{array} \begin{array}{c} 27 \div 6 = 4  \text{R 3}  4 + 1 = 5 \\ \hline \\$	$45 \div 7 = 6 \text{ R3. We can make 6 bouquets and 3 flowers will be left.}$ The remaining 3 flowers are not enough to make a bouquet because 7 flowers are necessary to make a bouquet. Math sentence $45 \div 7 = 6 \text{ R 3}$ Answer 6 bouquets
Answer the following questions. There are 30 balls. We are going to put all the balls in boxes, 4 balls per box. How many boxes do we need? Math sentence 30 ÷ 4 = 7 R 2 7 + 1 = 8	Answer the following questions. There are 47 buttons. We need 7 buttons to make one shirt. How many shirts can we make in total? Math sentence $47 \div 7 = 6$ R 5
9 boxes	Answer 6 shirts
bench. How many benches are needed so all the children can sit on benches?	need 4 oranges to make a glass of juice. How many glasses of orange juice can we make?
sentence $43 \div 5 = 8$ R $3$ $8 \div 1 = 9$ Answer 9 benches	sentence $20 \div 4 = 0$ R 2 Answer 6 glasses of juice
There is a 78 page book. If I read 8 pages in one day, how many days will it take me to finish reading this book?	3 There is a bookshelf that is 28 cm wide. We want to put books that are 3 cm wide each on the shelf. How many of these books can we put on the bookshelf?
sentence $78 \div 8 = 9$ R 6 $9 + 1 = 10$	Math sentence 28 ÷ 3 = 9 R
Answer IU days	Answer 9 books
0	6

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Calculate the following problems and shock the answer by	<b>1</b> $ 3 \div 2 = 5 R 3$ <b>2</b> $ 4  \div 6 = 7 R  $
writing the numbers in the	$ 3 \div 2 = 6$ R   $ 4  \div 6 = 6$ R 5
$ \begin{array}{c} \textbf{0}  25 \div 6 = 4 \\ \text{Check the answer} \end{array}  \textbf{R}  \textbf{2}  \textbf{18} \div 7 = 2 \\ \text{Check the answer} \end{array}  \textbf{R}  \textbf{4} $	$3 55 \div 6 = 9 R 2 \qquad (3 5 \div 7 = 4 R 7)$
$6 \times 4 + 1 = 25 \qquad 7 \times 2 + 4 = 18$	$55 \div 6 = 9$ <b>R</b>   $35 \div 7 = 5$
$35 \div 8 = 8 R 3 (35 \div 8 = 6 R 5)$ Check the answer	3 Answer the following questions.
$4 \times 8 + 3 = 35 8 \times 6 + 5 = 53$	There are 40 apples. We are going to divide the apples seach child can get 6 apples. How many children can get apple
<b>5</b> 37 $\div$ 4 = 9 R <b>6</b> $16 \div$ 9 = <b>1</b> R 7 Check the answer	and how many apples will be left?
$\boxed{4} \times \boxed{9} + \boxed{1} = \boxed{37} \qquad \boxed{9} \times \boxed{1} + \boxed{7} = \boxed{16}$	sentence $40 \div 6 = 6$ R 4
7 II $\div$ 3 = 3 R 2 8 25 $\div$ 9 = 2 R 7 Check the approximate $\uparrow$	We are dividing 25 chocolates among 3 people eventy. Ho
$\boxed{3} \times \boxed{3} + \boxed{2} = \boxed{11} \qquad \boxed{9} \times \boxed{2} + \boxed{7} = \boxed{25}$	many chocolates will each person get and how many chocolate will be left?
$9  47 \div 6 = 7  R  5  0  34 \div 9 = 3  R  7$	Math sentence $25 \div 3 = 8$ R
$\begin{array}{c} \text{Gleck life answer} \\ \hline 6 \\ \times \\ \hline 7 \\ + \\ 5 \\ \end{array} = \\ \begin{array}{c} 47 \\ \hline 7 \\ \end{array} \\ \begin{array}{c} \text{Gleck life answer} \\ \hline 9 \\ \times \\ \hline 3 \\ \end{array} + \\ \begin{array}{c} 7 \\ \hline 7 \\ \end{array} = \\ \begin{array}{c} 34 \\ \hline 34 \\ \end{array} \end{array}$	Answer Each person can get 8 chocolates and   chocolate will be left
$\sim$	There is a 56-page book. If I read 9 pages in one day, ho many days will it take me to finish reading this book?
"25," and "34," respectively. If the dividends will be "43," "52," "61," "70," how about the answers? Can you find an interesting rule?	Math sentence $56 \div 9 = 6 \mathbb{R} 2 + 1 = 7$
	Let's think about how to handle Answer 7 days

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8 - 1 Numbers Greater than 10000 How to Express Numbers	<b>8 - 2</b> Numbers Greater than 10000 Structure of Numbers (1)
Instruction       Above the "One Thousands Place," there are the "Ten Thousands Place," "Hundreds Thousands Place," "One millions Place," "Ten Millions Place," "Ten Millions Place," there are the "Ten Millions Place," the	<ul> <li>Example Write the numbers in the .</li> <li>9588198 is made of 9 one millions, 5 hundred thousands, 8 ten thousands, 8 one thousands, 1 for thousands, 9 tens and 8 ones. ("Population of Jakarta, the capital of Indonesia, 2016)</li> <li>The number made of 4 one millions, 1 ten thousands, 7 one thousands, 5 tens and 2 ones is 4017056 ("Car sales in Germany, 2019)</li> </ul>
Image: Number of the construction o	<ul> <li>Write the numbers in the .</li> <li>1538762 is made of 1 one millions, 5 one hundred thousands, 3 ten thousands, 8 one thousands, 7 with thousands, 6 tens and 2 ones.</li> <li>(Number of Mobile Phone production in Japan during March 2021)</li> <li>1705685 is made of 1 one millions, 7 hundred thousands 5 one thousands 6 bundreds 8</li> </ul>
Eight million, one hundred seventy-five thousand, one hundred thirty-three.         (2)       4481795         (*Number of tickets sold in the Tokyo Olympic, 2021)       Image: Tem One Hundred Hundred Tem One Hundred Hundr	<ul> <li>thousands, 5 one thousands, 6 inducteds, 6 be many answers.</li> <li>(*Cumulative number of people infected with COVID-19 by October 2021)</li> <li>The number made of 2 ten millions, 1 one millions, 8 hundred thousands, 9 ten thousands, 3 one thousands tens and 2 tens is</li> </ul>
3 3509   944 (*Number of newspapers published in Japan during 2020) Thirty-five million, ninety-one thousand, nine hundred forty-four.	<ul> <li>21893020]. (*Population of Beijing City, the capital of China, 2019)</li> <li>The number made of 2 ten millions, 5 one millions, 7 hundred thousands, 6 ten thousands, 8 one thousands, 6 hundreds, 7 tens and 7 ones is 25768677]. (*Car sales of China, 2019)</li> </ul>
66	6

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B - 3 Numbers Greater than 10000 Structure of Numbers (2)	8 – 4 Numbers Greater than 10000 Number Line
Example How many "one thousands (1000's)" make up the number 14000? 14000 is made of 10000 and 4000. $10000 \rightarrow 10$ one thousands $14000 \rightarrow 4$ one thousands $14000 \rightarrow 10$ one thousands	Example         Write the numbers in the         .           0         10000         20000         30000         60000         70000         80000           Image: trick marks         15000         32000         47000         63000         79000           Write the numbers in the         .         .         .         .         .
Write the numbers in the . Write the numbers in the . Write the number is in the	<ul> <li>0 10000 20000 30000 40000 50000 60000 70000</li> <li>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</li></ul>
3 How many "one thousands (1000's)" make up the number 78000? $7000 \rightarrow 70$ one thousands $78000 \rightarrow 8$ one thousands $78000 \rightarrow 8$ one thousands 78 one thousands 79 one thousands 79 one thousands 79 one thousands	<ul> <li>60000 65000 70000 75000 80000 85000 90000 95000 100000</li> <li>90000 92000 95000 97000 97000</li> <li>90000 92000 95000 97000</li> <li>100000 300000 50000 700000</li> </ul>
300 one thousands (1000's) make up the number 300000.	



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8 - 7 Numbers Greater than 10000 Numbers Multiplied by 10 and 100	8 - 8 Numbers Greater than 10000 Numbers Divided by 10, and 100000000
• Example 1 What number is 10 times as much as 25?	Example 1 What number is 200 divided by 10?
$25 \xrightarrow{10 \text{ times}} 250$ $25 \times 10 = 250$ When you multiply a number by 10, all digits in the number go up one place. The answer is the number made by placing a 0 to the right of the original number.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
What are the numbers that are 10 times the following numbers?         50       500       2       79       790       38       380         420       4200       5       632       6320       980       9800	When the following numbers are divided by 10, what do you get?           300         30         2         400         40         3         250         25           2         80         8         5         3000         300         6         10000         1000
Example 2 What number is 100 times as much as 25? $100 \text{ times} \qquad 100 \text{ times} \qquad 25 \rightarrow 2500 \qquad 2500 \qquad 25 \times 100 = 2500 \qquad 2500 \qquad 100 \text{ times} \ 100 \text{ times}$	<b>Example 2</b> There is the "Hundred Million Place" above the "Ten Million Place." One hundred million is the number that is 10 times as much as the million. $100000000 = 10000000 \times 10$
What are the numbers that are 100 times the following numbers?         27       2700       2       90       9000       3       100       10000         785       78500       5       6000       600000       6       10000       1000000	<ul> <li>Write the appropriate numbers in the</li> <li>One hundred million is the number times as much as ten million.</li> <li>One hundred million is made up of ten millions.</li> </ul>

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B - 9 Numbers Greater than 10000	3 Write the numbers in the .
Write the appropriate numbers in the .	33000 34000 35000 36000 37000 <u>38000</u> 39000 <u>40000</u> 41000
The digit in the hundred thousands place of 5285194 is 2,	20000 30000 40000 50000 60000 70000 80000 90000 100000
and digit in the ten thousands place is 8.	
2 The digit in the one million place of $13729054$ is 3, and the	I00000         400000         500000         700000           IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
digit in the hundred thousands place is 7. Focus on each individual number. Otherwise, there could be many approximately approxi	Calculate the following and write the appropriate symbol, $=$ >, or < in the .
thousands, 7 ten thousands, 3 one thousands, 9	
hundreds, 6 tens and 8 ones.	3 60000 - 30000 < 50000 3 50000 - 3000 > 20000
2603040 is made of 2 one millions, 6 hundred	5 million + 2 million $=$ 7 million
thousands, 3 thousands and 4 tens.	5 What can we say about the number 460000? Write the appropriate numbers in the .
5 The number made of 4 ten millions, 7 one millions, 1 ten	It is made up of 400000 and 60000 added together.
thousands, 2 one thousands, 5 tens and 8 ones is 47012058	2 It is 40000 less than 500000.
The number made of 3 ten millions, 5 hundred thousands, 8 ten thousands and 9 ones is 30508009.	3 It is made of 46 10000's.
2 Write the numbers in the	6 What are the numbers that are 10 times the following numbers
n 78 one thousands (1000's) make up the number 78000.	35         350         2         670         6700         3         893         8930
2 34 one thousands (1000's) make up the number 34000	7 When the following numbers are divided by 10, what do you get
<ul> <li>250 one thousands (1000's) make up the number 250000.</li> </ul>	<b>1</b> 500 <b>50 2</b> 6000 <b>600 3</b> 10000 1000

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Multiplication Algorithm-1	3 Calculate these multiplication problems by using the algorithm.
IU-I5 Review	1 243 × 2 2 261 × 3 3 231 × 4 4 142 × 6
1 Calculate these multiplication problems by using the algorithm.	243261231442
<b>1</b> 41 × 2 <b>2</b> 12 × 3 <b>3</b> 21 × 2 <b>4</b> 25 × 3	× 2 × 3 × 4 × 6
4     2 2 1 2 5	4 8 6 7 8 3 9 2 4 8 5 2
×     2     ×     3     ×     2     ×     3       8     6     3     6     4     2     7     5	<ul> <li>I73 × 5</li> <li>I73 × 5</li> <li>I753 × 7</li> <li>I73 × 8</li> </ul>
<b>5</b> 38 × 2 <b>6</b> 16 × 4 <b>7</b> 74 × 2 <b>8</b> 93 × 3	× 5 × 7 × 8
3     8     1     6     7     4     9     3       ×     2     ×     4     ×     2     ×     3	8 6 5 5 2 7 1 2 4 7 2
7     6     4     1     4     8     2     7     9	4 Devise a way to calculate the following multiplication problems and then calculate them.
2 Calculate these multiplication problems by using the algorithm.	$90 \times 4 \times 2 = 90 \times (4 \times 2) = 90 \times 8 = 720$
<ol> <li>56 × 6</li> <li>2 39 × 5</li> <li>3 69 × 8</li> <li>4 78 × 8</li> </ol>	2 $60 \times 3 \times 3 = 60 \times (3 \times 3) = 60 \times 9 = 540$
563978	3 $253 \times 2 \times 5 = 253 \times (2 \times 5) = 253 \times 10 = 2530$
×         6         ×         5         ×         8         ×         8           3         3         6         1         9         5         5         5         2         6         2         4	$ 87 \times 5 \times 2 = 87 \times (5 \times 2) = 87 \times 10 = 870 $
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	<ul> <li>5 There are 3 wooden sticks. The length of stick A is 60 cm. The length of stick B is 3 times as long as stick A. The length of stick C is 2 times as long as stick B. How long are sticks B and C?</li> <li>The length of stick B: 60 × 3 = 180 The length of stick C: 180 × 2 = 360</li> <li>Answer stick B 180 cm stick C 360 cm</li> </ul>

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Units of Weight (1)	Units of Weight (2)
Instruction Let's measure weight of an object using a scale.	Convert the weights.
<ul> <li>1000 g is called   kilogram and is written as   kg.</li> <li>  kg = 1000 g.</li> <li>  L of water weighs   kg.</li> </ul>	2050 g = 2 kg 50 g 1000 g is same as 1 kilogram and $\sqrt{\frac{1000}{200}}$
	Example 2 Convert the weights to g or kg.
• Example 1 ① Up to how many kg can the scale on the right weigh? 2 kg	<b>1</b> $3 \text{ kg} = 3000 \text{ g}$ <b>2</b> $1 \text{ kg} 600 \text{ g} = 1600 \text{ g}$ <b>3</b> $1 \text{ kg} 600 \text{ g} = 1600 \text{ g}$ <b>3</b> $1 \text{ kg} 600 \text{ g} = 1600 \text{ g}$ <b>3</b> $1 \text{ kg} 600 \text{ g}$ <b>4</b> $1 \text{ kg} 600 \text{ g}$ <b>5</b> $1 \text{ kg} 600 \text{ g}$
20 How many g does the smallest mark on the scale represent?       20     g	Convert the weights to g or kg or kg and g.
3 How many kg and g does scale A and scaleB show?	1 1000 g = $  kg$ 2 9000 g = 9 kg
A B B (may start start) (may start)	3 1500 g = $1 \text{ kg} 500 \text{ g}$ 3260 g = $3 \text{ kg} 260 \text{ g}$
kg 500 g   kg 320 g	<b>5</b> 4220 g = $4$ kg 220 g <b>6</b> 5300 g = $5$ kg 300 g
low many kg and g does each scale show?	<b>7</b> $ $ kg 700g = <b>1700</b> g <b>3</b> kg 400 g = <b>3400</b> g
	• $2 \text{ kg } 78 \text{ g} = 2078 \text{ g}$ I kg $25 \text{ g} = 1025 \text{ g}$
	(1) 8 kg 3 g = 8003 g (2) 9 kg 5 g = 9005 g
kg 200 g   kg 740 g	(3) 7 kg 275 g = 7275 g (3) 10 kg = 10000 g

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<b>11 - 4</b> Weight Relation between	Units	Units of Weight (3)
Example 1 Fill in the with numbers.		Example 1 A small car weighs 1000 kg and a truck weighs 3100 kg. How much is the total weight?
I m = 1000 mm     I L = 100     Example 2 Fill in the with appropriate unit	00 mL s of quantities.	$1000 \text{ kg} + 3100 \text{ kg} = 4100^{1} \text{ kg}$ $1000 \text{ kg is called 1 tonne}$ and written as 1 t $1 \text{ t} = 1000 \text{ kg}$ $1 \text{ t} = 1000 \text{ kg}$
<ol> <li>Width of a notebook.</li> </ol>	21 cm	Stample 2 Convert the weights to kg or t.
2 Amount of milk in a milk carton.		1 7000 kg = $\begin{bmatrix} 7 \\ t \\ \\ 4 \\ t \\ 600 \\ kg \end{bmatrix}$ This is a tip for conversion. This is a tip f
Weight of a child.	30 kg	
Fill in the with numbers.		A baby elephant at a zoo weights 1400 kg, and the mother elephant weights 4600 kg. What is their weight in total?
1 $  km = 1000 m$ 2 $  kg = 1000 m$	000 g	1400  kg + 4600  kg = 6000  kg = 6  t
2 Fill in the with appropriate units of quant	ities.	2 Convert the weights to kg or t or t and kg.
Length of a classroom.	8 m	1 1000 kg = $1 t$ 2 5000 kg = $5 t$
O Distance of a hiking trail.	10 <b>km</b>	3 2500 kg = 2 t 500 kg 4 1160 kg = 1 t 160 kg
Amount of canned juice.	350 mL	<b>5</b> 3095 kg = <b>3</b> t <b>95</b> kg <b>3</b> 4475 kg <b>4475</b> kg <b>4475</b> kg
C Thickness of a notebook.	4 <b>mm</b>	7   t 700 kg = $1700$ kg 3 t 450 g = $3450$ kg
Weight of a tennis ball.	58 <mark>g</mark>	(c) $5 t 95 kg = 5095 kg$ (l) $10 t = 10000 kg$
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11 - 6 Weight Review	4 Convert the weights to g or kg or kg and g.
1 What is the highest weight this cools and messure? Wh	1 1000 g = $  kg$ 2 1000 kg = $  t$
the lowest? Fill in the table below.	<b>a</b> $2700 = 2$ kg $700 = 2230$ kg $= 2$ t $230$ kg
Scale	3770  g = 3  kg 770  g = 220  kg = 2  t 230  kg
	<b>5</b>   t 450kg = $1450$ kg <b>6</b> 5 kg 50 g = $5050$ g
Highest weight         kg (1000 g)         2 kg (2000 g)	
Lowest weight 10 g 20 g	
2 Read the scales.	5 Complete the table below.
	Kinds of m c d K Units
	Length  000 mm  00 cm   m
900 g 300	Capacity 1000 mL 10 dL 1 L
3 4	Weight 1000 g I kg
	6 Fill in the with appropriate units of quantities.
kg 260 g   kg 340 g	Weight of a truck.   3 t
3 Draw the needle to show the following weights on the scale	2 Height of a can.
<b>1</b> 80 g <b>2</b> 1760 g	Amount of soda in a PET bottle.
1000 - 1000 - 1001 - 10	Weight of   L of bottled water.
	Length of a staple.

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<b>12 - 1</b> Fractions Expressing the Size of Divided Parts (1)  Instruction When I m is divided into 3 equal parts, one of the parts is called <b>one-third</b> of I m.  Immerator: The length one third of I m is written as $\frac{1}{3}$ m. The length one thirds of I m is written as $\frac{2}{3}$ m. The length two thirds of I m is written as $\frac{2}{3}$ m.  Example 1 How many is the length of the coloured part? Im is divided into 5 parts Immerator Immerator Imminutor: Decominator: Decomi	The length of the coloured part is The length of the coloured part is 3 s and $\frac{3}{8}$ m 2 Colour the parts expressing the lengths shown below. 4 $\frac{4}{7}$ m 2 $\frac{5}{8}$ m 1 m Example 2 The following shows a problem and Student A's answer. Is his answer correct? Question: How many metres is the coloured part? Student A's answer: $\frac{1}{4}$ m 2 m 2 m 2 m 3 m 4 m 2 m 4 m 2 m 4 m 4 m 2 m 4 m 4 m 4 m 4 m 4 m 4 m 4 m 4
measurement5	The coloured part is a $\frac{1}{2}$ of the whole Now the whole is $2 \text{ m}$
mark.	not 1 m. Therefore, the coloured part is $\frac{1}{4}$ of the whole $\frac{1}{2}$ m, which equals
How many is the length of the coloured part? How many metres is the coloured part? The length of the coloured part is 2 and 2 m	to $\frac{1}{2}$ m. The correct answer is $\frac{1}{2}$ m. We must think about how many parts are there in a   m long tape.
The length of the coloured part is	3 How many metres is the coloured part?
$\begin{array}{c} 2 \\ \hline \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$	
3 The length of the coloured part is m' The length of the coloured part is $m'$ s and $\frac{1}{6}$ m	Look carefully at how many parts are there in a 1-m long, not in the whole tape.
The length of the coloured part is $2$ $s and \frac{2}{5}$ m	
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<ul> <li>Example 1 How many litres of water is shown in the picture?</li> <li>The answer is 3/5/1.</li> <li>The answer is 3/5/1.</li> <li>The answer is 3/5/1.</li> <li>The answer is 3/5/2.</li> <li>The answer is 3/5/2.</li> <li>The answer is 3/5/2.</li> <li>The answer is 3/5/2.</li> <li>The answer how many litres of water there are.</li> <li>There are 2/6/2.</li> <li>There are 2/6/2.</li> <li>There are 1/6/2.</li> <li>There are 2/6/2.</li> <li>There are 2/6/2.</li> <li>There are 3/6/2.</li> <li>There are 3/6/2.</li> <li>There are 3/6/2.</li> <li>There are 3/6/2.</li> <li>There are 4/6/2.</li> <li>There are 3/6/2.</li> <li>There are 4/6/2.</li> <li>There are 3/6/2.</li> <li>There are 4/6/2.</li> <li>There are 4/6/2.</li> <li>There are 5/6/2.</li> <li>There are 5/</li></ul>	12 - 2 Fractions Expressing the Size of Divid	ded Parts (2)	<b>2</b> Colour in the $\frac{2}{3}$ L	e following amou 2 $\frac{1}{6}$ L	ints of water. $3  \frac{3}{4}$ L	4 $\frac{3}{8}$ L
$ $ and $\stackrel{\sim}{=}  L$ and $\stackrel{\sim}{=}  L$	Example 1 How many litres of water is shown in The coloured parts is 3 The answer is $\frac{3}{5}$ L. Think about how many equally divided p of L of water there are. This is the size 1 How many measurement marks are shown in Then answer how many litres of water there are. 1 L There are 2 1 L There are 2 1 L There are 1 measurement marks and $\frac{2}{5}$ L 1 L There are 1 measurement marks and $\frac{1}{3}$ L 1 L There are 3 1 L There 3 1 L	the picture? the picture? s. parts in the picture? ere are $4$ assurement marks d $\frac{4}{6}$ L ere are $5$ assurement marks d $\frac{5}{8}$ L ere are $2$ assurement marks d $\frac{2}{2}$ L	Example 2 H     Example 2 H     2L     2L     1	tow many litres of the equals to $\frac{1}{2}$ . As learnt in the equals to $\frac{1}{2}$ . As learnt in the above example, to the equals to $\frac{1}{2}$ . Litres of water is the example of the exa	f water is shown in part ( ) is a - whole is 2 L, not   colored part is $\frac{1}{4}$ L. Answer $\frac{1}{2}$ previous section, we must parts are there in a   L here in the followi	a the picture?

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<b>14 - 3 Decimal Numbers</b> <b>How to Represent Decimal Numbers</b> (3)	14 - 4 Decimal Numbers Structure of Decimal Numbers
	The place to the right of the decimal point is called the <b>first decimal place</b> .
1 L = 10 dL	The number 2.4 represents two I's (Ones Place) and four 0.1's
	(First Decimal Place).
	2.4 The number 2.4 is made of twenty-four 0.1's.
Example Write the numbers in the .	01010101010101010101010101010101010101
	Evenue Write the numbers in the
Write the numbers in the	
<b>1</b> 2.3 cm = $2$ cm $3$ mm <b>2</b> 4.8 cm = $4$ cm $8$ mm	<ul> <li>3.4 is made of 34 '0.1's.</li> </ul>
3 8.6 cm = 8 cm 6 mm 3 6.1 cm = 6 cm 1 mm	Write the numbers in the .
<b>5</b> 7.4 cm = 7 cm 4 mm <b>3</b> 1.2 L = 1 L 2 dL	4.6 is made of $4$  's and $6$ 0. 's.
<b>7</b> 3.9 L = <b>3</b> L <b>9</b> dL <b>8</b> 5.7 L = <b>5</b> L <b>7</b> dL	2 4.6 is made of 46 0.1's.
9.1       L = 9 L   dL       10       2.5       L = 2 L 5 dL	<ul> <li>7.2 is made of seven (7) 1's and two (2) 0.1's.</li> <li>5.8 is made of fifty-eight (58) 0.1's.</li> </ul>

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<b>14 - 5</b>	cimal Numbers	Numbers	14 - 6 Decimal Numbers Decimal Numbers and Fractions
Example Which n	umbers is greater, 2.9 o	r 3?	Instruction The decimal numbers and fractions match the following.
There are thr The first med The second number. The third me	ee kinds of solutions for this proble hod is using the number line. method is thinking about how ma thod is using the diagram to compar	m.You can use one of them. iny 0.1's there are in each re numbers.	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
First Method	2 3	Third Method	Decimal numbers can be converted to fractions and fractions can be converted to decimal numbers.
	2.9	t Decimal xe	For example, 0.6 is made of six (6) 0.1's. In other words, it
Second Method 2.9 j	s made of twenty-nine (	29) 0.1's. 2, 9	is made of six (6) $\frac{1}{10}$ . So, 0.6 is $\frac{6}{10}$ .
3 IS I	made of thirty (30) 0.1%	Compare the	$\frac{7}{10}$ is made of seven (7) $\frac{1}{10}$ . In other words, it is made of
Ansv	wer 2.9 < 3	numbers in the greatest place.	seven (7) 0.1's. So, $\frac{7}{10}$ is 0.7.
Compare the followin ( < or > ) in the	g two numbers and writ	e the appropriate sign	<b>Example</b> Which numbers is greater, 0.4 or $\frac{3}{10}$ ?
0.4 < 0.6	<b>2</b> 0.7 > 0.2	<b>3</b> 4.5 <b>&lt;</b> 6.1	0.4 is made of four (4) 0.1's ( $\frac{1}{10}$ ). So, 0.4 is $\frac{4}{10}$ .
<ul> <li>0.5 &lt; 1.5</li> </ul>	<b>5</b> 3.4 < 4.3	<b>6</b> 7.1 <b>&lt;</b> 7.5	$\frac{3}{10}$ is made of three (3) $\frac{1}{10}$ (0.1's). So, $\frac{3}{10}$ is 0.3. Answer 0.4 > $\frac{3}{10}$
0.9	<b>8</b> 1.9 <b>&lt;</b> 2	3 < 3.1	Compare the following two numbers and write the appropriate sign
<b>1</b> 6 > 2.1	<b>1</b> 8 < 8.2	0 < 0.5	( <  or  > )  in the  . <b>1</b> $0.8 > \frac{7}{10}$ <b>2</b> $0.5 < \frac{6}{10}$ <b>3</b> $1.2 > \frac{11}{10}$
<b>1.3</b> > 0.3	0.1 > 0	<b>15</b> 0 < 1.2	

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	15 - 15 Multiplication Algorithm-2) Review	16 - 1     Expressing Math Sentence Using a -       Addition and Subtraction (1)
	1       Calculate the following problems in your head.         1 $6 \times 70 = 420$ 2 $4 \times 40 = 160$ 3 $8 \times 60 = 480$ 2 $12 \times 30 = 360$ 3 $2 \times 20 = 640$ $60 \times 40 = 2400$ 2 $25 \times 3 = 75$ $32 \times 3 = 96$ $2 \times 36 = 72$	<ul> <li>Example Express the following story with an addition math sentence. You can use a as the unknown number. Then find the answer.</li> <li>There were 38 tomatoes in my house. Because my mother bought some new tomatoes today, there are now 50 tomatoes.</li> </ul>
	2       Calculate these multiplication problems by using the algorithm.         1 $32 \times 13$ 2 $26 \times 15$ 3 $28 \times 23$ 5 $5 \times 13$ 3       2 $26 \times 15$ 3 $28 \times 23$ $56 \times 13$ 3       2 $26 \times 15$ $28 \times 23$ $56 \times 13$ 3       2 $26 \times 15$ $28 \times 23$ $56 \times 13$ 9       6       1       30 $884$ $168$ + 3       2 $66$ $464$ $72$ $72$	How many tomatoes did my mother buy? 38  tomatoes Math 38 + = 50 How to find a number in the $50 - 38 = 12$ Answer 12 tomatoes Express the following stories with addition math sentences. You can use a a sthe unknown number. Then find the answers.
	<b>5</b> $46 \times 38$ <b>6</b> $224 \times 21$ <b>7</b> $359 \times 26$ <b>8</b> $576 \times 35$ <b>4 6 2 2 4 4 5 7 6 3 6 8 2 2 4 7 8 7 8 4 6 7 2 1 × 2 6 × 3 5 3 6 8 2 2 4 7 1 8 1 7 8 0 1 7 8 1 7 8 0 1 1 7 8 0 1 7 8 4 7 0 4 9 3 4 2 0 1 6 3 6 8 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1</b>	<ul> <li>There were 34 students in my classroom. Because some students came from the next classroom, there are now 47 students in my classroom. How many students came from the next classroom?</li> <li>Math Sentence 34 + = 47</li> <li>How to find a 47 - 34 = 13</li> <li>Answer 13 students</li> <li>There were 37 children playing in the park. Then some additional children came to the park?</li> <li>Math Sentence 37 + = 52</li> <li>How to find a 7 + = 52</li> <li>How to find a 7 + = 52</li> <li>How to find a 52 - 37 - 15</li> </ul>
166		number in the
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	16-2       Expressing Math Sentence Using a -         Addition and Subtraction (2)         Brample         Express the following story with an addition math	16-3       Expressing Math Sentence Using a          Multiplication and Division (1)         Brample       Express the following story with an addition math

16-2     Expressing Math Sentence Using a D       Addition and Subtraction (2)	16-3       Expressing Math Sentence Using a          Multiplication and Division (1)
Example Express the following story with an addition math sentence. You can use a as the unknown number. Then find the answer.	Example Express the following story with an addition math sentence. You can use aas the unknown number. Then find the answer.
There were some tomatoes in my house. Because my mother bought 12 new tomatoes today, there are 50 tomatoes now.         How many tomatoes were there at first?         Image: state of the state	There are 3 bags containing the same number of candy each. The total number of candy is 36 pieces. How many pieces of candy are there in each bag? Math Sentence $\times$ 3 = 36 How to find a number in the 36 $\div$ 3 = 12 Answer 12 pieces of candy
<ul> <li>Express the following stories with subtraction math sentences. You can use a as the unknown number. Then find the answers.</li> <li>I had 15 chocolates. My friends gave me some more chocolates. Now I have 24 chocolates. How many chocolates did my friends give me?</li> <li>Math Sentence 24 = 15</li> </ul>	Express the following stories with multiplication math sentences. You can use a a the unknown number. Then find the answers. There are 5 boxes containing the same number of oranges. The total number of oranges is 50. How many oranges are there in each box? Math Sentence $\times 50 = 50$
How to find a number in the $24 - 15 = 9$ Answer 9 chocolates	How to find a 150 $\div$ 5 = 10 Answer 10 oranges
<ul> <li>There were 72 books in my class library. Some students borrowed some books. There are now only 39 books left. How many books were borrowed by the students?</li> </ul>	My father bought 7 packages of chocolates. There are 63 pieces of chocolate altogether. How many pieces of chocolate does each package has?
Math Sentence 72 - = 39 (39) books now books at first	Math Sentence $\times$ 7 = 63 $ imes to the sentence to the sentence of the sentence to the senten$
How to find a number in the $72 - 39 = 33$ Answer $33$ books	How to find a number in the $63 \div 7 = 9$ Answer 9 pieces of chocolate

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<b>16 – 4</b> Expressing Math Sentence Using a Multiplication and Division (2)	Expressing Math Sentence Using a Review
Example Express the following story with an addition math sentence. You can use a as the unknown	Express the following stories with division math sentences. You can use a as the unknown number. Then find the answers.
number. Then find the answer. 36 pieces of candy are divided up equally. Each person gets 3 pieces. How more papel are there alterather?	There were 25 students reading books in the library. More students came and now there are 37 students in the library. How many students came to the library?
$\begin{array}{c c} \hline pieces. & \hline pieces \\ \hline candy \\ \hline candy \\ \hline \hline \end{array} \\ \hline $ \\ \hline \end{array} \\ \hline \\ \hline	Math Sentence 25 + = 37
How to find a number in the $36 \div 3 = 12$ Answer     12     people	How to lind a number in the 37 - 25 = 12       Answer 12       students         Image: Comparison of the student state of t
Express the following stories with division math sentences. You can	Some people went back home. Now there are only 28 people. How many people went back home?
<ul> <li>use a as the unknown number. Then find the answers.</li> <li>There are 56 sheets of paper. These are divided equally, and</li> </ul>	Sentence $04 - 28 = 36$ How to find a $64 - 28 = 36$ Answer $36$ people
each student ends up with 8 sheets each. How many students are there?	<ul> <li>My mother bought 7 boxes containing some pieces of chocolate. Now there are 56 pieces of chocolate altogether.</li> </ul>
Math Sentence $56 \div = 8$ How to find a $56 \div 8 = 7$	How many pieces of chocolate are there in each box? Math Sentence $\times$ 7 = 56
number in the     00 + 0 - 7     Answer     full students       Image: Students     36 biscuits are divided equally among some children and each child gets 4 biscuits. How many children are there?	How to find a number in the 56 $\div$ 7 = 8 Answer 8 pieces of chocolate
Math $36 \div - 6$	44 biscuits are divided equally among some children and each child gets 4 biscuits each. How many children are there? Math
Sentence $36 \div 4 = 9$ Answer 9 children	Sentence $44 \div = 4$ How to find a $44 \div 4 = 11$ Answer 11 children
Page 17	72 · 173
Page 17	72 · 173 (4) Calculate the following problems.
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         351 + 574         2         526 + 179         3         347 + 658         4         4876 + 1129	72 • 173 ( Calculate the following problems. ( $1,3+0.6$ ( $2,7+4.5$ ( $1,9-0.5$ ( $8-4.7$ ) $1,9-0.5$ (
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         351 + 574         2 526 + 179         3 47 + 658         4 876 + 1129           3         5         1         5         2         6         3 4 7         4 8 7 6           +         5         7         4         +         7         4         5         6         0         5	72 • 173 (4) Calculate the following problems. (1) $1.3 + 0.6$ (2) $2.7 + 4.5$ (3) $1.9 - 0.5$ (4) $8 - 4.7$ (4) $7 + 4.5$ (5) $1.9 - 0.5$ (6) $7 + 4.5$ (7) $1.9 - 0.5$ (7) $1.9 - 0.5$ (8) $8 - 4.7$ (9) $7 - 2$ (9) $1.9 - 0.5$ (9) $1.9 - 0.5$ (9
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1 $351 + 574$ 2 $526 + 179$ $347 + 658$ 4 $4876 + 1129$ 3 $51 + 574$ 2 $526 + 179$ $347 + 658$ $4876 + 1129$ 3 $51 + 574$ $526 + 179$ $347 + 658$ $4876 + 1129$ $4876 + 1129$ $526 + 179$ $347 + 658$ $606 - 957$ $832 - 458$ $6305 - 178$ $7746 - 3789$ $87006 - 957$	72 • 173 4 Calculate the following problems. 1 1.3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 4 8 - 4.7 1 3 + 0.6 2 7 + 4.5 1 9 - 0.5 4 8 - 4.7 - 4 7 3 3 6 $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ 6 $\frac{7}{8} + \frac{1}{8} = \frac{8}{8} \text{ or } 1$ 7 $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ 8 $1 - \frac{3}{10} = \frac{7}{10}$ 5 Write the numbers in the .
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         S1 + 574 $2$ 526 + 179 $3$ 347 + 658 $4$ 876 + 1129           3 $5$ 1 $5$ 2 6 $3$ 4 7 $4$ 8 7 6           + 5 7 4         + 1 7 9         + 6 5 8         + 1 1 2 9 $3$ 5 1 $5$ 2 6 $7$ 0 5         1 0 0 5 $6$ 0 0 5 $8$ 32 - 458 $6$ 305 - 178 $7$ 5746 - 3789 $8$ 7006 - 957 $8$ 3 2 $3$ 0 5 $5$ 7 4 6 $7$ 0 0 6 $7$ 0 0 6	72 • 173 4 Calculate the following problems. 1 1.3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 4 7 3 3 6 $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ 6 $\frac{7}{8} + \frac{1}{8} = \frac{8}{8} \text{ or } 1$ 7 $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ 8 $1 - \frac{3}{10} = \frac{7}{10}$ 5 Write the numbers in the . 0 10000 20000 30000 40000 50000 60000 70000 80000 https://doi.org/10.0000
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         S1 + 574 $2$ 526 + 179 $3$ 347 + 658 $4$ 876 + 1129           3 $5$ 1 $5$ 2 6 $1$ 7 9 $4$ 8 7 6           + 5 7 4         + 1 7 9         + 65 8 $4$ 876 + 1129 $3$ 5 1 $5$ 2 6 $1$ 0 0 5 $6$ 0 0 5 $5$ 832 - 458 $6$ 305 - 178 $7$ 5746 - 3789 $6$ 7006 - 957 $8$ 3 2 $3$ 0 5 $5$ 7 4 6 $7$ 0 0 6           - 4 5 8         - 1 7 8         - 3 7 8 9         - 9 5 7 $3$ 7 4         1 2 7         1 9 5 7 $6$ 0 4 9	72 • 173 (a) Calculate the following problems. (a) $1.3 + 0.6$ (b) $2.7 + 4.5$ (c) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $8 - 4.7$ (c) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $8 - 4.7$ (c) $1.9 - 0.5$ (c) $1.9 - $
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         S1 + 574 $2 526 + 179$ $3 47 + 658$ $4 4876 + 1129$ 3 $5 1$ $5 2 66$ $3 47 + 658$ $4 4876 + 1129$ 3 $5 1$ $5 2 66$ $3 47 + 658$ $4 4876 + 1129$ $4 5 7 44$ $4 1 7 9$ $4 6 5 88$ $+ 1 1 2 2 9$ $9 2 5$ $7 0 5$ $1 0 0 5$ $6 0 0 5$ $5 832 - 458$ $6 305 - 178$ $7 5746 - 3789$ $8 7006 - 957$ $8 3 2$ $3 0 5$ $5 7 4 66$ $7 0 0 6$ $- 4 5 8$ $- 1 7 8$ $- 3 7 8 9$ $- 9 5 7$ $3 7 4$ $1 2 7$ $1 9 5 7$ $6 0 4 4$ 2         Calculate the following problems by using the algorithm. $4 8 7 6 - 378 7$	4       Calculate the following problems.         1
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         S1 + 574 $2$ 526 + 179 $3$ 347 + 658 $4$ 876 + 1129           3 $5$ 1 $5$ 2 6 $3$ 4 7 $4$ 8 7 6           + 5 7 4 $1$ 7 9 $+$ 6 5 8 $4$ 11 2 9 $9$ 2 5 $7$ 0 5 $1$ 0 0 5 $6$ 0 0 5 $6$ 832 - 458 $6$ 305 - 178 $7$ 5746 - 3789 $8$ 7006 - 957 $8$ 3 2 $3$ 0 5 $5$ 7 4 6 $7$ 0 0 6 $4$ 5 8 $-1$ 7 8 $-3$ 7 8 9 $-9$ 700 6 $8$ 3 2 $3$ 0 5 $5$ 7 4 6 $7$ 0 0 6 $4$ 5 8 $-1$ 7 7 8 $-3$ 7 8 9 $-9$ 700 6 $3$ 7 4 $1$ 2 7 $1$ 9 5 7 $6$ 0 4 9           2         Calculate the following problems by using the algorithm. $1$ 94 × 4 $2$ 141 × 6 $3$ 506 × 5 $4$ 385 × 8	72 • 173 (a) Calculate the following problems. (a) $1.3 + 0.6$ (b) $2.7 + 4.5$ (c) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $8 - 4.7$ (c) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $1.9 $
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         351 + 574         2 $526 + 179$ $347 + 658$ $4876 + 1129$ 3         5         1 $526 + 179$ $347 + 658$ $4876 + 1129$ 3         5         1 $526 + 179$ $347 + 658$ $4876 + 1129$ 3         5         1 $526 + 179$ $347 + 658$ $4876 + 1129$ 3         5         1 $526 + 179$ $347 + 658$ $4876 + 1129$ $4832 - 458$ $6305 - 178$ $5746 - 3789$ $87006 - 957$ 8 $322 - 458$ $6305 - 178$ $5746 - 3789$ $87006 - 957$ 8 $322 - 458$ $6305 - 178$ $5746 - 3789$ $87006 - 957$ 8 $322 - 458$ $6305 - 178$ $5746 - 3789$ $87006 - 957$ $832 - 458$ $-1788 - 3789$ $-9 - 9 - 9 - 57$ $60 - 4 - 9$ $37 - 4$ $1277 - 19 - 57$ $60 - 4 - 9$ $385 \times 8$ $9 - 4$	72 • 173 (a) Calculate the following problems. (a) $1.3 + 0.6$ (b) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.3 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $4.8 - 4.7$ (c) $1.9 + 0.6$ (c) $2.7 + 4.5$ (c) $1.9 - 0.5$ (c) $1.$
Number & Operation         Entire Grade-3 Review (1)         1       Calculate the following problems by using the algorithm.         1       Sci + 574       2       526 + 179       3       347 + 658       4       4876 + 1129         3       5       1       5       2       6       3       4       7       4       8       7         4       5       7       4       5       7       4       8       7       6       0       5         5       832       -458       6       305       -178       7       74       6       7       0       6       0       5         8       32       -       1       2       7       1       9       5       7       4       7       0       6       0       5         8       3       2       3       0       5       5       7       4       7       0       6       0       5       5       7       4       7       0       6       0       5       5       7       4       7       0       6       0       4       1       1       2       7	4       Calculate the following problems.         1       3 + 0.6       2 2.7 + 4.5       3 1.9 - 0.5       8 - 4.7         1       3       2 7       1 9       8       -47         1       3       2 7       1 9       -47       -47         1       1 9       -05       8 - 4.7         1       1 9       -05       1 4       -47         1       1 9       -05       1 4       -47         1       9       72       1 4       -33       -3         5 $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ $\frac{7}{8} + \frac{1}{8} = \frac{8}{8}$ or 1 $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ $8 - \frac{3}{10} = \frac{7}{10}$ 5       Write the numbers in the
Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         Stil + 574         2         526 + 179         3         347 + 658         4         4876 + 1129           3         5         1         5         2         6         3         4         7         4         8         7           4         5         7         4         5         7         4         8         7         6         0         5           5         7         4         5         7         4         6         7         0         6         0         5           8         32         -         1         7         5         7         4         6         7         0         6           9         8         3         2         3         0         5         5         7         4         6         7         0         6           9         4         1         1         7         1         9         5         7         6         0         4         7         0         6         3 <td>4       Calculate the following problems.         1       3 + 0.6       2 .7 + 4.5       1.9 - 0.5       8 - 4.7         1       3       2 .7       1 .9       8       -         1       3       2 .7       1 .9       .9       8       -         1       3       2 .7       1 .9       .9       .4       7         1       1       9       - 4 .7       .9       .9       .9       .9         5       <math>\frac{1}{5} + \frac{3}{5} = \frac{4}{5}</math> <math>\frac{7}{8} + \frac{1}{8} = \frac{8}{8}</math> or 1       <math>\frac{6}{7} - \frac{3}{7} = \frac{3}{7}</math> <math>8 - \frac{3}{10} = \frac{7}{10}</math>         5       Write the numbers in the</td>	4       Calculate the following problems.         1       3 + 0.6       2 .7 + 4.5       1.9 - 0.5       8 - 4.7         1       3       2 .7       1 .9       8       -         1       3       2 .7       1 .9       .9       8       -         1       3       2 .7       1 .9       .9       .4       7         1       1       9       - 4 .7       .9       .9       .9       .9         5 $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ $\frac{7}{8} + \frac{1}{8} = \frac{8}{8}$ or 1 $\frac{6}{7} - \frac{3}{7} = \frac{3}{7}$ $8 - \frac{3}{10} = \frac{7}{10}$ 5       Write the numbers in the
Page 17           Number & Operation           Entire Grade-3 Review (1)           1         Calculate the following problems by using the algorithm.           1         51 + 574         2         52 6 + 179         3         347 + 658         4         4876 + 1129           3         51         52 6         1         3         4         7         4         8         7           4         5         1         1         0         5         6         0         5           9         2         5         7         0.5         1         0         0.5         6         0         0.5           6         832 - 458         6         305 - 178         7         7         0         6         -957           8         3         2         3         0.5         5         7         4         6         -957           8         3         2         3         0.5         5         7         4         6         -977           3         7         4         1         4         5         0         4         385 × 8           4         5	4 Calculate the following problems. 1 1.3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 3 + 0.6 2 2.7 + 4.5 3 1.9 - 0.5 6 8 - 4.7 1 4 7 3 3 6 $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$ 6 $\frac{7}{8} + \frac{1}{8} = \frac{8}{8}$ or 1 6 $\frac{7}{7} - \frac{3}{7} = \frac{3}{7}$ 8 $1 - \frac{3}{10} = \frac{7}{10}$ 5 Write the numbers in the . 0 10000 20000 30000 40000 50000 60000 70000 80000 1 6000 2 35000 40000 50000 6000 70000 80000 1 6000 2 35000 40000 50000 6000 70000 80000 1 6000 2 35000 40000 50000 6000 7000 80000 1 6000 2 35000 40000 5000 6000 7000 80000 1 6000 2 35000 40000 5000 6000 7000 8000 4 30502 is made of 3 ten thousands, 5 hundreds and 2 ones. 6 4.8 is made of 4 1's (ones) and 8 0.1's. 6 2.7 is made of 27 0.1's. 6 Compare the following two numbers and write the appropriate sign (< or > ) in the . 1 0.8 > $\frac{7}{10}$ 2 0.1 > 0 3 $\frac{9}{10}$ < 1 4 $\frac{5}{10}$ < 0.6 7 There are two tapes, red and blue. The length of the red tape is 24 cm. The length of blue tape is 8 cm. How many times as long as is the red tape as the blue tape?

Math Sentence

Math Sentence

 $24 \div 8 = 3$ 

8 There are 40 oranges. We are going to put all oranges in boxes, 6 oranges per box. How many boxes do we need?

 $40 \div 6 = 6R4, 6 + 1 = 7$  Answer

3

7

times

boxes

173

Answer



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| m = | 100 cm | dL = | 100 | mL 3 Read the lengths of the I on the tape measure below. A is 10 m 53 cm. | cm = 10 mm B is 9 m 80 cm 3 Units of Weight | t = |1000 kg What is the direct distance and the travel | kg = | 1000 gdistance between the following places? 250 m 500 m | g = | 1000 mg 120 m

4 Units of Time | day = 24 hours hour = 60 minutes | minute = 60 seconds 7 Fill in the with appropriate units of quantities 1 Length of a textbook 29 cm 2 Weight of | L of water kg

176

4

1 Between the house and the bus stop.

Direct distance is 500 m Travel distance is 870 m

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 $-\phi$ 

 $-\phi$ 

