## Practice Book for Mathematics

## Answer Book





0


Japan International Cooperation Agency


1 List the number of stationaries you have．
（1）Tally them on the graph using a $\bigcirc$

（2）Fill the numbers in the table．



2 List the number of vegetables you have．

（1）Tally them on the graph using a $\bigcirc$ ．

（2）Fill the numbers in the table．



1 Find out what kind of vehicles are there in town．

（1）What is the most common vehicle in the town？
Bicycle
（2）What is the difference between the number of buses and tractors？

2 Find out what kind of vegetables are sold in a store．


| Name | Number |
| :--- | :---: |
| Cucumber | 5 |
| Potato | 2 |
| Cabbage | 3 |
| Tomato | 8 |
| Onion | 10 |

（1）How many cabbages are on sale？
（2）What vegetable is there the most of？

| Onion |
| :---: |
| 3 What vegetable is there the least of ？ |
| Potatoes |

（4）What is the difference between the number of potatoes and tomatoes？
（5）What is the difference between the number of potatoes and cucumbers？

## Page 6－7



Page 8－9

| －ロ $]$ | Addition Algorithm（1） |
| :---: | :---: |
| Example Calculate $25+14$ by using the algorithm． |  |
|  | Line up the numbers vertically in each place． <br> Calculate each place separately． <br> Calculation of the ones place $5+4=9$ <br> Calculation of the tens place $\begin{aligned} & 2+1=3 \\ & 25+14=39 \end{aligned}$ |

Calculate the following problems by using the algorithm．


（2） | 25 | $\\|$ | 1 |
| ---: | :--- | :--- |
| +4 | 1 | $\\| I I I$ |

（3）
3） $\begin{array}{r}\text { Trase Ones } \\ 36 \\ +23 \\ \hline 59\end{array}$
（4） $\begin{array}{r}\text { Tres } \text { Onese } \\ 43 \\ +35 \\ \hline 78\end{array}$


8

| $2-2$ | Addition | Addition Algorithm（2） |
| :--- | :--- | :--- |

Calculate the following problems by using the algorithm．
1

（2）
20
+36
+36
（3）

| 79 |
| ---: |
| +30 |
| $+\quad 30$ |
| 79 |

4
$\begin{array}{r}\text { Tres } 2 \text { Omes } \\ 27 \\ +40 \\ \hline 67\end{array}$
（5） $\begin{array}{r}\text { Trass } 0 \text { nes } \\ 30 \\ +50 \\ \hline 80\end{array}$


Calculate the following problems by using the algorithm．
（1）Tans Onass Tras Ones

（2）rean rimom



Calculate the following problems by using the algorithm．
（1） $\begin{array}{r}3 \\ +62 \\ \hline 65\end{array}$
（2） $\begin{array}{r}5 \\ +54 \\ \hline 59\end{array}$
（4） $\begin{array}{r}\text { Trass } 1 \text { Ones } \\ 7 \\ +82 \\ \hline 89\end{array}$
（5） $\begin{array}{r}\text { Trase } 0 \text { nes } \\ 6 \\ +31 \\ \hline 37\end{array}$

Page $12 \cdot 13$


1 Calculate the following problems by using the algorithm．


2 Calculate the following problems by using the algorithm．

## （1）

1） $34+15$


2． $13+2$
3
3） $61+25$
4
$20+70$

| 34 |
| ---: | :--- |
| $+\quad 13$ |
| 49 |


| 1 | 3 |
| ---: | :--- |
| +2 | 2 |
| 3 | 5 |

6
6） $10+34$
（7）
$63+6$
$\begin{array}{r}663 \\ +\quad 6 \\ \hline 69\end{array}$
12

－Example Calculate $37+28$ by using the algorithm．

| $\begin{array}{r} \text { rimama } \\ \hline 37 \\ +28 \end{array}$ |  | Line up the numbers vertically in each place． <br> Calculation of the ones place |
| :---: | :---: | :---: |
|  | 7 and 8 make <br> 15 （10 and 5）． | $7+8=15$ <br> Regroup I to the tens place． |
| 5espom | 1 | Calculation of the tens place |
| 37 | $\text { IIII } 1$ | The regrouped I and 3 make 4. |
| ＋28 | ｜｜ 1 | $4+2=6$ |
| 65 | 11812 | $37+28=65$ |

Calculate the following problems by using the algorithm．
（1）Tens Oness Tens Ones
（2） $\begin{array}{r}26 \\ +45 \\ \hline 71\end{array}$


Page $14 \cdot 15$


## Page 16－17



Calculate the following problems by using the algorithm．


（2） | Tens | Ones |
| ---: | ---: |
| 5 | Tress Ones |
| 8 | 1 |
| +87 | 1 |
| 92 |  |

（3）

$$
3 \begin{array}{r}
\text { Trens ones } \\
+3 \\
+39 \\
\hline 43
\end{array}
$$

（4） $\begin{array}{r}\text { Tens Ones } \\ \hline 17 \\ +\quad 5 \\ \hline 6 \\ \hline 65\end{array}$
（5） $\begin{array}{r}\text { Teas } 10 \mathrm{men} \\ \hline 6\end{array}$

16


17 I have 27 notebooks and my sister has 26 notebooks． How many notebooks are there altogether？


2 My friend read 23 pages of a book yesterday．He read 37 pages today．How many pages did he read altogether？

| Math <br> Sentence | $23+37=60$ |  |
| :---: | :--- | :--- | :--- |
| Answer 60 pages | 2 | 3 |
| +3 | 7 |  |
|  | 6 | 0 |

3 My brother had 6 pencils．He bought 24 more pencils today．How many pencils does he have altogether？

| Math <br> Sentence <br> Answer | 30 pencils | $+24=30$ |
| :--- | :--- | :--- | :--- |

## Page 18－19



1 Calculate the following problems by using the algorithm．



（3） $67+18$

| （4） $25+45$ |
| :--- |
| $\quad 25$ |
| +4 |
| 7 |
| 7 |

$\begin{array}{r}67 \\ \hline+18 \\ \hline \quad 85 \\ \hline\end{array}$
（5） $38+7$

| 3 |
| ---: |
| $+\quad 7$ |
| 45 |

（6） 54
$54+6$
（7） $8+16$
（8） $4+38$
$\begin{array}{r}5 \\ \hline 54 \\ +\quad 6 \\ \hline 60 \\ \hline\end{array}$


|  |
| ---: |
| +38 |
| 4 |

2 Put an $\times$ over the mistakes．Write the correct algorithm on the right
（1） $38+12$

| 3 | 8 |
| ---: | ---: |
| +1 | 2 |
| $\nVdash$ | 0 |
| + | 1 |
|  | 3 |$|$

（2）
$16+45$

（3）

（4）$\underline{20+4}$

| 20 |
| :---: |
| $+\frac{Z}{20}$ |
| 60 |


|  | 2 |
| ---: | ---: |
|  | 0 |
| $+\quad$ | 4 |
|  | 2 | 4.

18

4 Answer the following questions．
（1）I had 25 pieces of candy．My mother gave me 15 pieces of candy．How many pieces of candy do I have now？


2） 36 children were playing in the park．Then 18 children came to the park．How many children are there now？
I picked 24 flowers in the park．My father picked 37 flowers．How many flowers did we pick altogether？


4 Make math sentences that have an answer of 32 ．
The numbers I to 9 can be used in the $\square$ ．You can use the same number repeatedly．


| 1 | 3 |
| :--- | :--- | :--- |
|  | 9 | \(\begin{aligned} \& \begin{array}{l}How many math sentences <br>

can you make？\end{array}\end{aligned}\)

## Page 20－21

| $3-1$ | Subtraction <br> Addition Algorithm（।） |
| :---: | :---: |
|  |  |
| Example Calculate $39-15$ by using the algorithm． |  |
|  | Line up the numbers vertically in each place． <br> Calculate each place separately． <br> Calculation of the ones place $9-5=4$ <br> Calculation of the tens place $3-1=2$ $39-15=24$ |

Calculate the following problems by using the algorithm．


（3） $\begin{array}{r}\text { Tress } \mathbf{0 n e s} \\ 75 \\ -23 \\ \hline 52\end{array}$
4
（4） $\begin{array}{r}\text { Tans } \begin{array}{r}\text { onese } \\ 68 \\ -52 \\ \hline 16\end{array}\end{array}$
（5） $\begin{array}{r}\text { Tras } 1 \text { lons } \\ 97 \\ -53 \\ \hline 44\end{array}$

$$
\text { (5) } \begin{array}{r}
\text { Toos } 51 \\
-50 \\
-31 \\
\hline 31
\end{array}
$$

20
（1）Ters Onese Tres Ones

| 3 | 7 | III | 1 |
| ---: | ---: | ---: | ---: |
| -1 | 4 | 4 |  |
| 27 |  |  |  |

－
（3） $\begin{array}{r}\text { Trass } \operatorname{lomes} \\ 84 \\ -40 \\ \hline 44\end{array}$
4

$$
\text { (4) } \begin{array}{r}
79 \\
-60 \\
\hline 19
\end{array}
$$

## Page 22－23



Calculate the following problems by using the algorithm．


22

| $3-4$ | Subtraction |
| :--- | :--- |
| Review（1） |  |

1 Calculate the following problems by using the algorithm．

| 4 | 5 |
| ---: | ---: |
| -2 | 1 |
| 2 | 4 |


3） $\begin{array}{r}7 \\ \hline 78 \\ -35 \\ \hline 43 \\ \hline\end{array}$
4 $\begin{array}{r}94 \\ -61 \\ \hline 33 \\ \hline\end{array}$
5


8


2 Calculate the following problems by using the algorithm．
1
1）85－41
2 58－23

88－16 $\begin{array}{r}88 \\ -16 \\ \hline 72 \\ \hline\end{array}$

（4） 73－40 \begin{tabular}{|r|r|}
\hline 8 \& 5 <br>
\hline-4 \& 1 <br>
\hline 4 \& 4 <br>
\hline

 

5 <br>
\hline 23 <br>
-25 <br>
\hline
\end{tabular}

$\begin{array}{r}73 \\ -40 \\ \hline 33 \\ \hline\end{array}$
（5）66－20
$\begin{array}{r}95-15 \\ \hline 95 \\ \hline-\quad 15 \\ \hline 80 \\ \hline\end{array}$

| 66 |
| ---: |
| -20 |
| 46 |


（8）57－4
$\qquad$ 23

## Page $24 \cdot 25$




Calculate the following problems by using the algorithm．


You can＇t take 8 from 0 ．
You need to regroup from the tens place．

$$
10-8=2
$$

## Calculation of the tens place

Since you regrouped， 4 in the tens place becomes 3．There is nothing being subtracted from it．So，it is simply 3.
$40-8=32$
（1）$\frac{3}{4}$

（2） $\begin{array}{r}10 \\ 80 \\ -53 \\ \hline 27\end{array}$
（3） $\begin{array}{r}600 \\ 70 \\ -12 \\ \hline 58\end{array}$
$5 ;$
（4） $\begin{array}{r}50 \\ 50 \\ -27 \\ -27 \\ \hline 23\end{array}$

26

（3） $\begin{array}{r}10000 \\ 800 \\ 90 \\ -\quad 5 \\ \hline 85\end{array}$
（4） $\begin{array}{r}\text { rempone } \\ 60 \\ 70 \\ -\quad 2 \\ \hline 68\end{array}$

27

Page 28－29

－Instruction If you add the number being subtracted to the answer，you will get the number you are subtracting from


By using the algorithm，you can do the following．


Calculate and find the answers．Then check the answers using addition．
（1） $44-29$

（2） $56-18$



1 I had 43 pieces of candy．I gave 28 pieces of candy to my friends．How many pieces of candy do I have left？


2 There are 55 flowers in the park．If we pick 15 ，how many will be left？


3 My class library has 48 books．Today it has 27 books． How many books have been checked out？


## Page $30 \cdot 31$



1 Calculate the following problems by using the algorithm．
（1）66－49

| 6 | 6 |
| ---: | ---: |
| -4 | 9 |
|  | 1 |

2
57－38
（3） 6

| $65-36$ |  |
| ---: | ---: |
| -6 | 5 |
| -36 |  |
| 29 |  |

（4）45－29

| 5 | 7 |
| ---: | ---: |
| -3 | 8 |
|  | 1 |

2

| 4 | 5 |
| ---: | ---: |
| -2 | 9 |
|  | 1 |


| 575$\quad-47$ |
| :--- |
| 7 5 <br> - 4 <br> 7 7 <br>  2 |

6
（6） $83-$
（7） 60
60－26
（8）73－8

2 Put an $\times$ over the mistakes．Write the correct algorithm on the right．
（1） $33-15$

2
58－39

| 5 | 8 |
| ---: | ---: |
| -3 | 9 |
| 2 | 9 |$|$| 5 | 8 |
| :--- | :--- |
| - | 3 | 9

3
50－45

| 50 |
| ---: | ---: |
| -45 |
| $甘 5$ |


（4）73－5

| 7 | 3 |
| ---: | ---: |
| -5 |  |
| 2 | 3 |


|  | 7 | 3 |
| ---: | ---: | ---: |
| - | 5 |  |
|  | 6 | 8 |

3 Answer the following questions．
（1）There are 36 students in my class． 19 students are boys．How many girls are there？

（2）My mother had 50 necklaces．She gave 25 necklaces to her friends．How many necklaces does my mother have left？

$$
\begin{array}{l|l|}
\hline \text { Math } \\
\text { Sentence } & 50-25=25 \\
\text { Answer } & 25 \text { necklaces }
\end{array}
$$

$$
\begin{array}{r}
50 \\
\hline-25 \\
\hline 25
\end{array}
$$

（3）There are 93 books in my house．I lent 9 of them to my classmates．How many books are left？


| 93 |
| ---: | ---: |
| $-\quad 9$ |
| 84 |

4 Make math sentences that have an answer of 36 ．The numbers $2,3,5,6$ and 8 can be used in the $\square$ ．You can use the same number repeatedly．
Example

$$
\begin{aligned}
& \begin{array}{|l|l|l|l|l|}
\hline 5 & 8 & -2 & 2 \\
\hline
\end{array}=36 \begin{array}{|l|l|l|l|}
\hline 6 & 2 \\
\hline 6 & 8 & -3 & 2 \\
\hline & 2 & 6 \\
\hline
\end{array}=36 \\
& \begin{array}{|l|l|l|l|l|}
\hline 8 & 8 & 2 \\
\hline
\end{array} \\
& \hline
\end{aligned}
$$




1 How long is the length of the objects?


## Page $36 \cdot 37$



1 How long are line (a) and line (b) by using a ruler?

(b)


2 Calculate the following.
(1) $4 \mathrm{~cm}+6 \mathrm{~cm}=10 \mathrm{~cm}$ (2) $5 \mathrm{~cm}+7 \mathrm{~cm}=12 \mathrm{~cm}$
(3) $3 \mathrm{~cm} 6 \mathrm{~mm}+2 \mathrm{~cm}=5 \mathrm{~cm} 6 \mathrm{~mm}$
(4) $6 \mathrm{~cm} \mathrm{5mm}+8 \mathrm{~cm}=14 \mathrm{~cm} 5 \mathrm{~mm}$
(5) $5 \mathrm{~mm}+2 \mathrm{~cm} \mathrm{3} \mathrm{cm}=2 \mathrm{~cm} \mathrm{~mm}$


- Instruction How to draw a straight line using a ruler.


Draw the following lengths as straight lines from the points by using a ruler.


## Page 38－39

## 4－7 Units of Length $\quad$ Converting Units of Lengths

## CEzample 1 Convert the lengths to mm ．

（a） $3 \mathrm{~cm}=30 \mathrm{~mm}$
（b） $1 \mathrm{~cm} 2 \mathrm{~mm}=12 \mathrm{~mm}$

－Erample 2 Convert the lengths to $\mathrm{cm} / \mathrm{cm}$ and mm
（a） $20 \mathrm{~mm}=2$
cm
（b） $32 \mathrm{~mm}=3 \mathrm{~cm} 2 \mathrm{~mm}$

## 1 Convert the lengths to mm

（1） $5 \mathrm{~cm}=50 \mathrm{~mm}$ （2） $7 \mathrm{~cm}=70 \mathrm{~mm}$
（3） $4 \mathrm{~cm}=40 \mathrm{~mm}$
（4） $12 \mathrm{~cm}=120 \mathrm{~mm}$
（5） $1 \mathrm{~cm} 6 \mathrm{~mm}=16 \mathrm{~mm}$
（6） $2 \mathrm{~cm} 5 \mathrm{~mm}=25 \mathrm{~mm}$
（1） $6 \mathrm{~cm} \mathrm{7mm}=67 \mathrm{~mm}$
（8） $10 \mathrm{~cm} \mathrm{3mm}=103 \mathrm{~mm}$
2．Convert the lengths to cm or cm and mm ．
（1） $60 \mathrm{~mm}=6 \mathrm{~cm}$
（2） $80 \mathrm{~mm}=8 \mathrm{~cm}$
（3） $90 \mathrm{~mm}=9 \mathrm{~cm}$
（4） $100 \mathrm{~mm}=10 \mathrm{~cm}$
（5） $15 \mathrm{~mm}=\square \mathrm{cm} 5 \mathrm{~mm}$ （6） $54 \mathrm{~mm}=5 \mathrm{~cm} 4 \mathrm{~mm}$
（7） $107 \mathrm{~mm}=10 \mathrm{~cm} 7 \mathrm{~mm}$（8） 8 $131 \mathrm{~mm}=13 \mathrm{~cm} \quad 1 \mathrm{~mm}$


1 How long is the length of the objects？
（1）


2 Draw the following lengths as straight lines from the points by using a ruler．
（1） 7 cm
（2） 10 cm 2 mm
3 Calculate the following．
（1） $5 \mathrm{~cm}+10 \mathrm{~cm}=15 \mathrm{~cm}$（2） $13 \mathrm{~cm}-7 \mathrm{~cm}=6 \mathrm{~cm}$
（3） $3 \mathrm{~cm} 2 \mathrm{~mm}+4 \mathrm{~cm} \mid \mathrm{mm}=7 \mathrm{~cm} 3 \mathrm{~mm}$
（4） $9 \mathrm{~cm} 5 \mathrm{~mm}-5 \mathrm{~cm} 3 \mathrm{~mm}=4 \mathrm{~cm} 2 \mathrm{~mm}$
4 Convert the lengths to $\mathrm{mm}, \mathrm{cm}$ ，or cm and mm ．
（1） $20 \mathrm{~mm}=2 \mathrm{~cm}$
（2） $10 \mathrm{~cm}=100 \mathrm{~mm}$
（3） $190 \mathrm{~mm}=19 \mathrm{~cm}$（4） $13 \mathrm{~cm}=1 \mathrm{~cm} 3 \mathrm{~mm}$
（5） $2 \mathrm{~cm} 5 \mathrm{~mm}=25 \mathrm{~mm}$（6） $118 \mathrm{~mm}=11 \mathrm{~cm} 8 \mathrm{~mm}$

## Page $40 \cdot 41$



Page $42 \cdot 43$


1 Observe the time that the clock marks for the student＇s different activities．Find out what time did the student do the following activities using a．m．and p．m．
（1）Taking a class It＇s 9 in the morning，
（2）Preparing a dinner： It＇s 9 in the afternoon，



2 The following tape diagram shows hours in a day starting from 12：00 a．m．What are the time points to A，B， C ，and D using a．m．and p．m．？


3 What time do you do the following activities？Tell the time using a．m．and p．m．

| Example |
| :---: |
| 5：00 a．m． |
| 7：30 a．m． |
| 4：30 p．m． |
| 9：00 p．m． |


－Example 1 A teacher goes to the city office by bus．
 office？

（2）How many hours did it take from when the teacher left home until he came back home？

$1]$ A boy goes to the city library by bus．

（1）How many minutes did it take from his house to catch the bus？

30 minutes
（2）How many minutes did it take from catching the bus to arriving at the city library？

15 minutes
（3）How many hours did it take from leaving home to coming back home？

2 hours．


2 Related to the tape diagram above，how many hours are there before noon？How many hours are there in a day？ There are 12 hours before noon． There are 24 hours in a day．

## Page $46 \cdot 47$



1 A girl goes to town to have tea and buy groceries．

（1）How many minutes did it take from when she left home to catch the bus？

$$
\text { It took } 25 \text { minutes. }
$$

（2）How many hours and minutes did it take from when she arrived at the vegetable shop until she left the fish market？

$$
\text { It took } 1 \text { hour and } 20 \text { minutes. }
$$

（3）How many minutes did it take from the town to her house by bus？

$$
\text { It took } 15 \text { minutes. }
$$

（3）How many hours did it take from leaving home to coming back home？

$$
\text { It took } 3 \text { hours }
$$

2 It is $10: 20$ now．Write the time points that shows the following．
（1） 10 minutes after
（2） 10 miutes before It is $10: 10$ ．
（3） 15 minutes after It is $10: 35$ ．

4． 20 minutes before It is $10: 00$ ．
（5）
45 minutes after
（6） 30 miutes before It is $9: 50$ ．
（7）I hour after
（8） 4 hours before It is $11: 20$ ．

$$
\text { It is } 6: 20 \text {. }
$$

3 The following tape diagram shows hours in a day from 12：00 a．m．

（1）What are the time points to $A, B, C$ ，and $D$ using a．m． and p．m．？
（a）Time point A
（b）Time point B

5：00 a．m．
（c）Time point C
7：00 p．m．

7：00 a．m．
（d）Time point D
$12: 00$ p．m．

（2）Fill in the blanks
（a）A day equals 24 hours．（b） 24 hours equals $\square$ day．

Page $48 \cdot 49$


How many $\square$ are there？Write the numbers and read them．


When there is nothing in or or
the tens place，write＂ 0 ＂．
3



Write the numbers in the $\square$
（1） 2 hundreds， 3 tens，and 4 ones together make 234 ．

（2） 3 hundreds， 5 tens，and 7 ones together make 357
（3） 5 hundreds， 8 tens，and 3 ones together make 583
4． 6 hundreds， 7 tens and 0 ones together make 670 ．
（5） 432 is made of 4 hundreds， 3 tens，and 2 ones．

（6） 245 is made of 2 hundreds， 4 tens，and 5 ones．
（7） 870 is made of 8 hundreds， 7 tens，and 0 ones．
（8） 709 is made of 7 hundreds， 0 tens，and 9 ones．

Page $50 \cdot 51$

－Example Write the numbers in the $\square$ ．


1 Write the numbers in the
（1）


2

（3）

（4）


2 Write the numbers in the $\square$

1



（3）


4

（5）


6

0 We must find out what the smallest tick marks shows．

## Page 52． 53



Answer the following questions．
（1）How many 10s are there in 1000？ 100
（2）How many more does 900 need to make 1000 ？
（3）What is the number that is 400 less than 1000 ？
（4）What is the number that is 200 less than 1000 ？
（5）What is the number that is 70 less than 1000 ？
6 What is the number that is 10 less than 1000 ？
（1）What is the number that is I less than 1000 ？



1 Calculate the following addition problems．

| （1） $30+90=$ | 120 | （2） $50+80=$ | 130 |
| :---: | :---: | :---: | :---: |
| （3） $50+60=$ | 110 | （4） $60+70=$ | 130 |
| （5） $80+60=$ | 140 | （6） $80+90=$ | 170 |
| （1） $20+80=$ | 100 | （8） $10+90=$ | 100 |

2 Calculate the following addition problems．
（1） $300+100=400$
（2） $300+400=700$
（3） $200+700=900$
（4） $400+400=800$
（5） $100+600=$

| 700 |
| :---: |
| 180 |

（6） $200+400=600$
（8） $200+60=260$ Think about how many bundles of ten there are．

## Page 54－55



## Page $56 \cdot 57$



There are three number cards below．Make the following numbers by using these three cards．



1 Calculate the following problems．

| （1） |
| :--- |
| $40+90=$ |
| （3） |
| $60+50=$ |
| 130 |
| （5） $200+700=900$ |
| （7） $140-90=50$ |
| （9） $700-400=300$ |


| （2） $50+70=120$ |
| :--- |
| （4） $300+500=800$ |
| （6） $170-80=90$ |
| （8） $150-70=80$ |
| （10） $1000-800=200$ |

2 Compare the following two numbers and write the appropriate sign（ $<$ or $>$ ）in the $\square$ ．
（1） $347>289$
（2） $465 \square 565$
（3） $657>576$
（4） $809 \quad 853$
（5）$7 3 0 \longdiv { < } 7 3 2$
（6） $587<589$

3 There are three number cards below．Make the following numbers by using these three cards．



Calculate the following problems by using the algorithm．





Calculate the following problems by using the algorithm．
（1）


60

（11）

（12）

$$
\begin{array}{r}
61 \\
+\begin{array}{r}
\text { Tres } 0 \text { ome } \\
59
\end{array} \\
\hline 120
\end{array}
$$

（1）

| 52 |
| ---: |
| +79 <br> 7 |
| 131 |

（1）

| 49 |
| ---: |
| $+\quad 76$ |
| 125 |

（13）

$$
\begin{array}{r}
97 \\
+\begin{array}{r}
93 \\
\hline
\end{array} \begin{array}{r}
\text { Fons Ones } \\
\hline 130
\end{array} \\
\hline 13
\end{array}
$$

## Page 62• 63



Calculate the following problems by using the algorithm．
（1）Toms Onas
$\begin{array}{r}\text {（2）} \\ \begin{array}{r}1+2++29 \\ +\quad 76 \\ +105\end{array} \\ \hline 105\end{array}$


62

Cine up the numbers vertically
in each place．

Calculate the following problems by using the algorithm．

$\begin{array}{r}249 \\ +\quad 9+9 \\ \hline 258\end{array}$
（3） $\begin{array}{r}864 \\ +\quad 8 \\ \hline 872\end{array}$
$\begin{array}{r}566 \\ +\quad 6 \\ \hline 572\end{array}$
（9） $\begin{array}{r}267 \\ +\quad 7 \\ \hline 274\end{array}$

## Page $64 \cdot 65$



Calculate the following problems by using the algorithm．
（1）thasem trens ones

（3）
3． 6
（4）
$\begin{array}{r}637 \\ +\quad 48 \\ \hline 685\end{array}$
545
$+\quad 27$
+572
（5）Tomes Tes Ons

64


1 My friend has 56 pieces of paper．Later，he bought 67 pieces of paper．How many pieces of paper does he have altogether？
Math

$$
56+67=123
$$

Sentence

$$
\text { Answer } 123 \text { pieces of paper }
$$

|  | 5 | 6 |
| ---: | :--- | :--- |
| $+\quad 6$ | 7 |  |
|  | 1 | 2 |

275 boys and 35 girls participated in the school festival． How many children participated in the school festival altogether？
Math
Sentence


3 I read 124 pages of a book yesterday．I read another 37 pages today．How many pages did I read altogether．

| Math Sentence | $124+37=161$ | ＋ |  | 2 | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 3 | 7 |
|  | swer 161 pages |  |  |  |  |

Page 66－67


Calculate the following problems by using the algorithm
1


（3）

4

5


66


Calculate the following problems by using the algorithm．



4

|  |  |
| :---: | :---: |
| 1 | 34 |
|  | 47 |
|  | 87 |

5
150
$-\quad \begin{array}{r}10 \\ 8 \\ \hline 61\end{array}$


Example Calculate $104-37$ by using the algorithm．

|  | Line up the numbers vertically in each place． |
| :---: | :---: |
| 3 | Calculation of the ones place |
|  | You cannot regroup from the tens place，so you need to regroup from the hundreds place first． <br> Then，you need to regroup from the tens place． |
| 137 $-\quad 37$ | Calculation of the tens place |
| 7 | Calculation of the tens place |
| Temome | Since you regrouped，it becomes 9. $9-3=6$ |
| Q14 | Write a 6 in the tens pla |
| $\begin{array}{r} 37 \\ \hline 67 \end{array}$ | There is nothing in the hundreds place． $104-37=67$ |

Calculate the following problems by using the algorithm．

（2） $10^{9} \frac{13}{13}$

| $\frac{14-5}{4} 03$ |
| :--- |
| $-\quad 56$ |
| 477 |

3

4
$\begin{array}{r}102^{104} \\ -\quad 47 \\ \hline 55 \\ \hline\end{array}$
5

$$
\begin{array}{r}
\begin{array}{r}
10 \\
-\quad 1 \\
-5 \\
\hline
\end{array} \\
\hline 42 \\
\hline 4
\end{array}
$$



Calculate the following problems by using the algorithm．


2

（3）

4


## Page 70－71



Calculate the following problems by using the algorithm．
1

2

（3）

| tuatires |  |  |
| :---: | :---: | :---: |
|  | 44 | 3 |
|  | 2 |  |
|  | 41 | 4 |

（4）

5
$\begin{array}{r}6 \\ -670 \\ -6 \\ \hline 506 \\ \hline 6114\end{array}$

| $\square$ | Addition and Subtraction |
| ---: | ---: | ---: |
| 2 | Subtraction Problems |

－Example There are 126 students in my school．Today 38


1 My sister had 138 pieces of paper．She used 45 of them．How many pieces of paper does she have now？


2 My father had 183 stamps．He sold 97 stamps．How many stamps does he have now？


3 There are 633 books in the school library．Now 28 books are checked out．How many books are in the library now？

## Page 72•73



1 Calculate the following problems by using the algorithm
1 $67+41$

2
$53+84$
3
$34+70$


| 4 $79+53$ |
| :--- |
|  7 9 <br> + 5 3 <br>  1 3 2 |

（5） $86+76$

（6） $97+89$

|  | 97 |
| ---: | ---: | ---: |
| $+\quad 89$ |  |
| $+\quad 186$ |  |

（1）
$867+4$
+867
$+\quad 744$
8771
8
9
$428+24$Calculate the following problems by using the algorithm
1
1

| $139-64$ |  |  |  |
| ---: | ---: | ---: | ---: |
|  | 1 | 3 | 9 |
| - |  | 6 | 4 |
|  |  | 7 | 5 |

2
$117-46$
3
179－95

72
（4）
$145-87$

|  | 1 | 4 | 5 |
| ---: | ---: | ---: | ---: |
| - | 8 | 7 |  |
|  |  | 5 | 8 |

5
136－49
6） $175-98$



（7）102－76 |  | 1 | 0 |
| ---: | :--- | :--- |
| - | 7 | 6 |
|  |  | 2 | 6

8 $961-8$

| 9 | 6 | 1 |
| ---: | ---: | ---: |
| $-\quad$ | 8 |  |
| 95 | 3 |  |

9） $545-27$
wing questions．
（1）
Answer the following questions
1 In my classroom there are 54 students．In the nex classroom there are 47 students．How many students are there in the two classrooms？


2 There were 124 people in the national park today． 58 of them went back．How many people are there in the national park now？



Page 76•77


1 Measure the capacity of water that the following items hold using a I dZ container


2 Match the same capacities with a line．


76
1 Place the appropriate units in the blanks．
（1）The amount of water in a plastic bottle
（2）The amount of water in a cooking pot
（3）The amount of water in a milk bottle


12 Which container holds about 1500 mL ？
（1）Milk bottle
（1）Milk bo
ด



## Page 78－79


－Exempla Fill in the blanks with numbers．


Fill in the blanks．



Calculate the following
（1） $2 \mathrm{~L}+5 \mathrm{~L}=7 \mathrm{~L}$（2） $3 \mathrm{dL}+6 \mathrm{dL}=9 \mathrm{dL}$
（3） $3 \mathrm{~L} 6 \mathrm{dL}+2 \mathrm{~L}=5 \mathrm{~L} 6 \mathrm{dL}$
（4） $1 \mathrm{~L} 7 \mathrm{dL}+8 \mathrm{dL}=2 \mathrm{~L} 5 \mathrm{dL}$
（5） $500 \mathrm{~mL}+350 \mathrm{~mL}=850 \mathrm{~mL}$
（6） $250 \mathrm{~mL}+1 \mathrm{~L} 500 \mathrm{~mL}=\square \mathrm{L} 750 \mathrm{~mL}$
（7） $7 \mathrm{~L}-4 \mathrm{~L}=3 \mathrm{~L} \quad 86 \mathrm{dL}-2 \mathrm{dL}=4 \mathrm{dL}$
（9） $4 \mathrm{~L} 3 \mathrm{dL}-1 \mathrm{~L}=3 \mathrm{~L} 3 \mathrm{dL}$
（10） $2 \mathrm{~L} 3 \mathrm{dL}-4 \mathrm{dL}=\square \mathrm{L} \square 9 \mathrm{dL}$
（11） $1000 \mathrm{~mL}-350 \mathrm{~mL}=650 \mathrm{~mL}$
（12） $2 \mathrm{~L} 250 \mathrm{~mL}-750 \mathrm{~mL}=\square \mathrm{L} 500 \mathrm{~mL}$

## Page $80 \cdot 81$



Page $82 \cdot 83$

－Example Connect the dots to enclose the same animals into groups．Separate the resulting shapes into two groups．
（a）

（b）


Group of $\triangle$（a）and（d）
Group of $\square$（b）and（c）

Connect the dots to enclose the same animals into groups． Separate the resulting shapes into two groups．

（c）
（b）

（b）

（e）

Group of $\triangle$
（b），（d），and（e）
Group of $\square$
（a），（c），and（f）
－A closed shape made of three straight lines is called a triangle A closed shape made of four straight lines is called quadrilateral．

－Example Answer the following questions．
（1）How many vertexes does a triangle have？
（2）Find the triangles．


1 How many sides and vertexes do triangles have？ Triangles have 3 sides and 3 vertexes．
2 Find the triangles．
（a）
（b）



## －Example Answer the following questions．

（1）How many vertexes does a quadrilateral have？
（2）Find the quadrilaterals．


1 How many sides and vertices do quadrilaterals have？ Quadrilaterals have 4 sides and 4 vertexes．
2 Find the quadrilaterals．
（a）
（b）

（a），（d），（e），and（f）are quadrilaterals．


See if the shape of the corner of your notebook has a right angle．

－Example Which of the following has a right angle？Find a right angle by placing the folded paper．
（a）

（b） $\square$
（c）
（b）has a right angle．


Which of the following is a right angle？Find a right angle by placing the folded paper．
（a）
（b）
（c）
（d）

（b）and（d）

## Page $86 \cdot 87$



Page 88－89


## Page 90－91



Instruction What is a right triangle？


A triangle with one right angle is called a right triangle 50．0．
－Example 1 Find right triangle．


1 Find right triangles．

（b），（e），and（g）are right triangles． 90

Page 92． 93


1 How many sides and vertexes do triangles and quadrilaterals have？
Triangles have 3 sides and 3 vertexes．
Quadrilaterals have 4 sides and 4 vertexes．
2 Find the triangles and the quadrilaterals．
（a）$\quad$（b）
（c）
$\sum$（d）
$(\mathrm{e})$


3 Which of the following is a right angle？
（a）
（b）
（c）
（d）

（a）and（d）
92


2 Make a patterns by drawing $\Delta$ and


The answer is not one． Let＇s take a look at the patterns made by friends．

－Erample 3 Draw a right triangle with 4 cm and 3 cm sides that form a right angle．


3 Draw right triangles with the following sides that form a right angle．
（1）with 4 cm and 4 cm sides that form a right angle
（2）with 2 cm and 5 cm sides
（3）with 3 cm and 6 cm sides



## Page 94． 95


－Example Look at the following picture and answer the following questions．

（4）There are 3 oranges on one plate and there are 4 plates．There are 120 oranges altogether．

In the above situation，we can make the following math sentences：

$$
3 \times 4=12
$$

Look at the following pictures and answer the questions．

（1）How many bottles are there in the boxes？ 18 bottles
（2）How many bottles are there in one box？
（3）How many boxes are there？ 3 bottles

4．There are 3 bottles in one box and there are 6 boxes．There are 18 bottles altogether．


1 Write the multiplication symbol．

－Example Write a multiplication math sentence for calculating the number of wheels．


2 Write multiplication math sentences for the following problems．




Math sentence

$$
8 \times 2=16
$$

## Page 96－97



Five sweets are included in one box．
Write multiplication math sentences and find the answers．
（1）। box
（2） 2 2 boxes
（3）需 3 boxes
（4）5）令 4 boxes
（5）There are 5 sweets in one box． There are 5 boxes．
6 There are 5 sweets in one box． There are 6 boxes．
（1）There are 5 sweets in one box． There are 7 boxes
8 There are 5 sweets in one box． There are 8 boxes．
（9）There are 5 sweets in one box． There are 9 boxes



Read the following questions．Write the math sentences and find the answers．
（1）There are 5 biscuits on one plate．There are 5 plates How many biscuits are there altogether？


2 There are 5 pieces of cake in each box． There are 6 boxes．How many pieces of cake are there altogether？

| Math |
| :--- |
| Sentence | $5 \times 6=30$ Answer 30 | pieces of |
| :--- |
| cake |

3 Five people are in each car．There are 4 cars．How many people are there altogether？

| Math |
| :--- |
| Sentence | $5 \times 4=20$ Answer 20 people

4．There are 9 children．My mother will give 5 pieces of candy to each child．How many pieces of candy does she need？



EExample There are 2 onions on one plate．There are 3 plates．How many onions are there altogether？ Write a math sentence and find the answer．


A bicycle has 2 wheels．How many wheels are there？ Write multiplication math sentences and find the answers．


－Example There are 2 pens in one set．There are 4 sets．


Read the following questions．Write the math sentences and find the answers．

（3）There are 2 computers on each desk．There are 9 desks．How many computers are there altogether？

（4）There are 3 boats．Two people are in each boat． How many people are there in the boats altogether？


## Page $100 \cdot 101$



1 The following tables show the multiplication facts of 5 and 2．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |


| －Example Calculate the following multiplications． |  |  |
| :---: | :---: | :---: |
| （1） $5 \times 7=35$ | （2） $2 \times 8=160$ |  |
| 2 Calculate the f |  | （3），（3）Hide and practice again． |
| （1） $5 \times 3=15$ | （2） $2 \times 4=8$ |  |
| （3） $5 \times 7=35$ | （4） $2 \times 1=2$ |  |
| （5） $5 \times 5=25$ | （6） $2 \times 5=10$ |  |
| （7） $5 \times 2=10$ | （8） $2 \times 7=14$ |  |
| （9） $5 \times 1=5$ | （10） $2 \times 2=4$ |  |
| （11） $5 \times 6=30$ | （12） $2 \times 6=12$ |  |
| （13） $5 \times 8=40$ | （14） $2 \times 3=6$ |  |
| （15） $5 \times 4=20$ | （16） $2 \times 9=18$ |  |
| （11） $5 \times 9=45$ | （18） $2 \times 8=16$ |  |

100


There are 3 sweets in one box．How many sweets are there？ Write multiplication math sentences and find the answers．



Example There are 3 bottles in a box．There are 5 boxes． How many bottles are there altogether？


Read the following questions．Write the math sentences and find the answers

1）There are 3 apples in a basket．There are 6 baskets How many apples are there altogether？


2 There are 3 pencils in each case．There are 7 cases．How many pencils are there altogether？


3 There are 3 bulbs planted in each pot．There are 9 pots How many bulbs are planted altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} \quad 3 \times 9=27 \text { Answer } 27 \text { bulbs }
$$

（4）There are 8 children．I will give 3 pieces of candy to each child．How many pieces of candy do I need？

| Math |
| :--- |
| Sentence |$\quad 3 \times 8=24$ Answer 24 | pieces of |
| :--- |
| candy |

－Example There are 4 eggs in a basket．There are 3 baskets．How many eggs are there altogether？ Write a math sentence and find the answer．

A truck has 4 tires．How many tires are there？ Write multiplication math sentences and find the answers．


## Page 104－105



Read the following questions．Write the math sentences and find the answers．
（1）There are 4 chocolates in a box．There are 6 boxes． How many chocolates are there altogether？모 9


2 There are 4 eggs in each package．There are 4 packages．How many eggs are there altogether？

$$
4 \times 4=16 \text { Answer } 16 \text { eggs }
$$

（3）There are 4 students in each group．There are 9 groups．How many students are there altogether？

$$
\begin{array}{|c|}
\substack{\text { Math } \\
\text { Sentence }}
\end{array} 4 \times 9=36 \text { Answer } 36 \text { students }
$$

4）I bought 8 packages of batteries．There are 4 batteries in each package．How many batteries are there altogether？
Math
Sentence
$4 \times 8=32$
Answer
32
batteries

Page 106－107

$10=13$ Multiplication Facts of 2， 3 and 5
1 The following table shows the multiplication facts of 2，3 and 5 ．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |

2 What can we find from the above table showing the multiplication facts of 2， 3 and 5 ．

You can find a very interesting fact！

When each result of the multiplication facts of 2 and 3 are added，these additions become the result of the multiplication facts of 5 ．

3 Calculate the following multiplications．
（1） $2 \times 1=2$
（2） $5 \times 5=25$
（3） $3 \times 1=3$
（4） $3 \times 2=6$
（5） $2 \times 2=$ 4
（6） $5 \times 3=$
15
（7） $5 \times 4=20$
（8） $3 \times 3=$

（9） $2 \times 3=6$
（10） $5 \times 2=10$
（11） $2 \times 4=8$
（13） $2 \times 5=10$
（14） $3 \times 5=15$
（1）
（15） $5 \times 1=5$

| 10－14 |  | Multiplication Facts of 2 and |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 The following table shows the multiplication facts of and 4．Write the numbers in the $\square$ $\square$ ． |  |  |  |  |  |  |  |  |  |
| $\times$ | I | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |

2 What can we find from the above table showing the multiplication facts of 2 and 4.

You can find a very
interesting fact！
When each result of the multiplication facts of 2 is doubled，each of them becomes the result of the multiplication facts of 4 ．

3 Calculate the following multiplications．
（1） $2 \times 3=6$
（2） $4 \times 2=8$
（3） $4 \times 1=4$
4． $2 \times 4=8$
（5） $2 \times 5=10$
（b） $4 \times 3=$
（7） $4 \times 4=16$
（8） $2 \times 1=2$
（9） $2 \times 2=$
（10） $4 \times 6=24$
（11） $4 \times 5=20$
（12） $2 \times 6=12$

## Page 108－109



1 The following table shows the multiplication facts of 3 and 4 ．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |

## －Example Calculate the following multiplications．



| 2 Calculate the for | multiplications． $\begin{aligned} & \text { You cers } \\ & \text { Lets remen } \\ & \text { can ma }\end{aligned}$ | You can do（1），（3），（3） Let＇s repeat them so that you can master them completely． |
| :---: | :---: | :---: |
| （1） $3 \times 5=15$ | （2） $4 \times 2=8$ |  |
| （3） $3 \times 8=24$ | （4） $4 \times 9=36$ |  |
| （5） $3 \times 3=9$ | （6） $4 \times 4=16$ |  |
| （7） $3 \times 2=6$ | （8） $4 \times 7=28$ |  |
| （9） $3 \times 6=18$ | （1） $4 \times 5=20$ |  |
| （11） $3 \times 1=3$ | （12） $4 \times 6=24$ |  |
| （13） $3 \times 7=21$ | （14） $4 \times 8=32$ |  |
| （15） $3 \times 9=27$ | （16） $4 \times 1=4$ |  |
| （17） $3 \times 4=12$ | （18） $4 \times 3=12$ |  |

2 Read the following questions．Write the math sentences and find the answers．
1．There are 2 peanuts in each bag．There are 8
bags．How many peanuts are there altogether？

| Math |
| :--- |
| Sentence | Answer $16 \times 8=16$ peanuts

2 There are 3 bananas on each plate．There are 7 plates How many bananas are there altogether？

（3）A car has 4 tires．There are 6 cars．How many tires are there altogether？
Math
Sentence $\square$ Answer

$$
24
$$

（4）There are 4 children．My father will give 5 pencils to each child．How many pencils does he need？ $\underset{\substack{\text { Math } \\ \text { Sentence } \\ 5 \times 4=20}}{ }$ Answer 20 pencils
7 The following is a multiplication table．Write the numbers in the blanks

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |

08

## Page $110 \cdot 111$



Example There are 6 lemons on one plate．There are 3 plates．How many lemons are there altogether？


There are 6 chocolates in one box．Write multiplication math sentences and find the answers．



Read the following questions．Write the math sentences and find the answers．

1 There are 6 eggs in one package．There are 5 packages．How many eggs are there altogether？


2 There are 6 apples in each box．There are 7 boxes．How many apples are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} 6 \times 7=42 \text { Answer } 42 \text { apples }
$$

（3）Six students make one group．There are 8 groups． How many students are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} 6 \times 8=48 \text { Answer } 48 \text { students }
$$

4）There are 3 children．Each child has 6 pieces of candy． How many pieces of candy are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} 6 \times 3=18 \text { Answer } 18 \begin{aligned}
& \text { pieces of } \\
& \text { candy }
\end{aligned}
$$

## Page 112－113


－Ezemple There are 7 lemons on one plate．There are 2 plates．How many lemons are there altogether？ Write a math sentence and find the answer

Math sentence


Seven pens ald ine how many pen are ter Write multiplication math sentences and find the answers．
1
मниан I set
2


3 sets


112


Read the following questions．Write the math sentences and find the answers．
（1）There are 7 fish in each tank．There are 8 tanks． How many fish are there altogether？

$$
\begin{array}{|c|}
\substack{\text { Math } \\
\text { Sentence } \\
\\
\hline \\
\text { Answer } \\
568 \\
\text { fish } \\
\hline}
\end{array}
$$

2 There are 7 pieces of cakes in each box．There are 4 boxes．How many pieces of cake are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} \quad 7 \times 4=28 \text { Answer } 28 \begin{aligned}
& \text { pieces of } \\
& \text { cake }
\end{aligned}
$$

3 There are 7 mangoes in each basket．There are 5 baskets．How many mangoes are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} \quad 7 \times 5=35 \text { Answer } 35 \text { mangoes }
$$

4）There are 3 fishing boats．Seven fishermen are in each fishing boat．How many fishermen are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence } \\
& 7 \times 3=21
\end{aligned} \text { Answer } 21 \text { fishermen }
$$



17 The following tables show the multiplication facts of 6 and 7．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |



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－Example There are 8 carrots in one basket．There are 2 baskets．How many carrots are there altogether？ Write a math sentence and find the answer


There are 8 pieces of bread in one package．How many pieces of bread are there？Write multiplication math sentences and find the answers．


## Page 116•117



Read the following questions．Write the math sentences and find the answers．
（1）There are 8 buttons in one package．There are 6 packages．How many buttons are there altogether？ Math sentence $8 \times 6=48$ Answer 48 buttons
（2）There are 8 pencils in each case．There are 5 cases．How many pencils are there altogether？ Math Sentence $\square$ Answer 40 pencils
（3）There are 8 photos on each page of the album．This album has 7 pages．How many photos are there in this album altogether？


\footnotetext{
4 There are 4 boats．Eight people are in each boat． How many people are on the boats altogether？



There are 9 chocolates in one box．How many chocolates are there？Write multiplication math sentences and find the answers．
（2）$\times \boxed{0}=$
（2）

## Page $118 \cdot 119$


－Example There are 9 sweets in one box．There are 3 boxes．How many sweets are there altogether？


Read the following questions．Write the math sentences and find the answers．
（1）Nine people are lined up in each row．
There are 2 rows．How many people are there altogether？


2 There are 9 marbles in each package．There are 5 packages．How many marbles are there altogether？


3 There are 9 students in each group．There are 6 groups．How many students are there altogether？


4 There are 4 boats in the sea．Nine people are on each boat．How many people are there on the boats altogether？

| Math |
| :--- |
| Sentence | $9 \times 4=36$ Answer 36 people


－Example There is I carrot on one plate．There are 3 plates．How many carrots are there altogether？ Write a math sentence and find the answer．

There is I melon in one box．Write multiplication math sentences and find the answers．


## Page 120－ 121

## 

1 The following table shows the multiplication facts of 8 and 9 ．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |



2 Calculate the following multiplications．$\quad \begin{gathered}\text { You can do © ©，©，} \\ 0 \cdots\end{gathered}$ 2 Calculate the following multiplications．them many times．
（1） $8 \times 3=24$
（2） $9 \times 4=36$
（3） $8 \times 7=56$
（4） $9 \times 1=9$
（5） $8 \times 5=40$
（6） $9 \times 5=45$
（7） $8 \times 2=16$
（8） $9 \times 7=63$
（9） $8 \times 1=8$
（11） $8 \times 6=48$
（10） $9 \times 2=18$
（12） $9 \times 6=54$
（13） $8 \times 8=$
（15） $8 \times 4=32$
（14） $9 \times 3=27$
（16） $9 \times 9=81$
（11） $8 \times 9=72$
（18） $9 \times 8=72$


1 The following table shows the multiplication facts of 7 and 8 ．Write the numbers in the $\square$

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |

－Example Calculate the following multiplications．
（1） $7 \times 5=35$
（2） $8 \times 2=16$

2 Calculate the following multiplications
You can do 0．3．0 $\ldots$ Let＇s say them smoothly without looking at the answer．
（1） $7 \times 3=21$
（2） $8 \times 4=32$
（3） $7 \times 7=49$
（4） $8 \times 1=$
（5） $7 \times 5=35$
（6） $8 \times 5=40$
（7） $7 \times 2=14$
（8） $8 \times 7=56$
（9） $7 \times 1=7$
（10） $8 \times 2=16$
（11） $7 \times 6=42$
（12） $8 \times 6=48$
（13） $7 \times 8=56$
（15） $7 \times 4=28$
（14） $8 \times 3=24$
（16） $8 \times 9=72$
（11） $7 \times 9=63$
（18） $8 \times 8=64$


1 The following table shows the multiplication facts of 4 and 7．Write the numbers in the $\square$ ．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |

－Erample Calculate the following multiplications．

（3） $4 \times 8=32$
（4） $7 \times 1=7$
（5） $4 \times 3=12$
（6） $7 \times 5=35$
（1） $4 \times 2=8$
（8） $7 \times 7=49$
（9） $4 \times 6=24$
（10） $7 \times 2=14$
（11） $4 \times 1=4$
（12） $7 \times 6=42$
（13） $4 \times 7=28$
（14） $7 \times 3=21$
（15） $4 \times 9=36$
（16） $7 \times 9=63$
（11） $4 \times 4=16$
（18） $7 \times 8=56$

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－Example There are 6 donuts in one box．There are 5 boxes．How many donuts are there altogether？


Read the following questions．Write the math sentences and find the answers．
（1）There are 8 donuts in one box．There are 6 boxes． How many donuts are there altogether？

$$
\underset{\substack{\text { Math } \\ \text { Sentence } \\ \hline}}{ } 8 \times 6=48 \text { Answer } 48 \text { donuts }
$$

2）Six children are sitting on each bench．There are 7 benches．How many children are there altogether？

$$
\underset{\substack{\text { Math } \\ \text { Sentence }}}{6 \times 7=42} \text { Answer } 42 \text { children }
$$

（3）Each minibus can hold 9 people．There are 4 minibuses．How many people can be held altogether？

$$
\underset{\substack{\text { Math } \\ \text { Sentence } \\ \hline \\ \text { Answer } \\ \hline \\ \hline \\ \text { people } \\ \hline \\ \hline \\ \hline}}{ }
$$

4．There are 7 children．I am going to give 3 pieces of candy to each child．How many pieces of candy do I need？
$\underset{\substack{\text { Math } \\ \text { Sentence }}}{ }$ $3 \times 7=21$ Answer $21 \begin{aligned} & \text { pieces o } \\ & \text { candy }\end{aligned}$ Answer 2

## Page 124－125


（1）Colour in the tape so that it is 3 times as long as（A）．
（2）The length of tape $(A)$ is 2 cm ．How many cm is the tape that you coloured？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence }
\end{aligned} 2 \times 3=6 \text { Answer } 6 \mathrm{~cm}
$$

1 Answer the following problems．
（B）$\square$
（1）Colour in the tape so that it is 5 times as long as（B）．
（2）The length of tape $(B)$ is 4 cm ．How many cm is the tape that you coloured？
Math
Sentence
$4 \times 5=20$ Answer 20 cm
22 A toy train is 4 cm long．
（1）How many cm are 2 trains together？

| Math |
| :--- |
| Sentence | $4 \times 2=8 \quad$ Answer 8 cm

（2）How many cm are 3 trains together？ | Math |
| :--- |
| Sentence | $4 \times 3=12$ Answer 12 cm



Write the numbers in the following multiplication table．


|  |  |  | Multipliers |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Facts of I |  | । | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Facts of 2 |  | 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| Facts of 3 |  | 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| Facts of 4 | $\stackrel{\square}{\square}$ | 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
| Facts of 5 | － | 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| Facts of 6 | $\frac{ \pm}{5}$ | 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
| Facts of 7 |  | 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |
| Facts of 8 |  | 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |
| Facts of 9 |  | 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |

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1 Find the multiplication sentences that match 12 ．


2 Find the multiplication sentences that match 24.



Look at the following pictures and make multiplication problems．Then write math sentences and find the answers．


## Page 128•129



1 How many sweets are in the box altogether？ Think about different ways to find the answer．


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2 How many stars（ $\Delta$ ）are there altogether？ Think about different ways to find the answer．


3 How many star marks（ $\rangle$ ）are there altogether？ Think about different ways to find the answer．



1 The following is the multiplication table．Write the numbers in the blanks．

| $\times$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 |

3 Calculate the following multiplications．


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2 Read the following questions．Write the math sentences and find the answers．
（1）There are 7 peanuts in each bag．There are 6 bags． How many peanuts are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence } \\
& 7 \times 6=42
\end{aligned} \text { Answer } 42 \text { peanuts }
$$

（2）There are 6 pens in one set．There are 4 sets．How many pens are there altogether？

$$
\begin{aligned}
& \text { Math } \\
& \text { Sentence } \\
& \hline
\end{aligned}
$$

3 Answer the following questions．
（A）

（1）Colour in the tape so that it is 3 times as long as（A）．
2）The length of tape $(A)$ is 3 cm ．How many cm is the tape that you coloured？


4 How many sweets are in the box altogether？ Think about different ways to find the answer．



| Method 1： <br> 3 groups of 3 make $3 \times 3$ ． <br> 2 groups of 6 make $6 \times 2$ ． <br> $3 \times 3=9$ and $6 \times 2=12$ ． <br> $9+12=21 . \quad 21$ sweets |  |
| :---: | :---: |
| Method 2： | －eb |
| 5 groups of 3 make $3 \times 5$ ． | － 4 |
| 2 groups of 3 make $3 \times 2$. <br> $3 \times 5 \mathrm{l}$ <br> 15 and $3 \times 2=6$ | \％ere |
| $15+6=21 . \quad 21$ sweets | －3，－3 |
| Method 3： | 00． |
| 5 groups of 6 make $6 \times 5$ ． | －ee |
| 3 groups of 3 make $3 \times 3.9$ ． | －00．0． |
| $6 \times 5=30$ and $3 \times 3=9$. $30-9=21$. 21 sweets |  |

## Page 132•133



Example How long is the piece of tape in meters and centimeters？


How long is the piece of tape in meters and centimeters？


（2）



17 Fill in the blanks．
（1） $400 \mathrm{~cm}=4 \mathrm{~m}$（2） $7 \mathrm{~m}=700 \mathrm{~cm}$
（3） $350 \mathrm{~cm}=3 \mathrm{~m} 50 \mathrm{~cm}$
（4） $105 \mathrm{~cm}=1 \mathrm{~m} 5 \mathrm{~cm}$
2 Calculate the following lengths in meters and centimeters．
（1） $3 m+2 m$
（2） $2 \mathrm{~m} 30 \mathrm{~cm}+1 \mathrm{~m}$
$=5 \mathrm{~m}$
$=3 \mathrm{~m} 30 \mathrm{~cm}$
$=4 \mathrm{~m} 60 \mathrm{~cm}$
$=3 \mathrm{~m} 70 \mathrm{~cm}$
$=2 \mathrm{~m}$

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Calculate the following lengths in meters and centimeters．
（1） $5 m-2 m$
$=3 \mathrm{~m}$
（2） $3 \mathrm{~m} 30 \mathrm{~cm}-1 \mathrm{~m}$
$=2 \mathrm{~m} 30 \mathrm{~cm}$
（3） $4 \mathrm{~m} \mathrm{70} \mathrm{cm}-20 \mathrm{~cm}=4 \mathrm{~m} 50 \mathrm{~cm}$
（4） $1 \mathrm{~m} 20 \mathrm{~cm}-15 \mathrm{~cm}$
$=1 \mathrm{~m} 5 \mathrm{~cm}$
（5） $5 \mathrm{~m} 50 \mathrm{~cm}-2 \mathrm{~m} 10 \mathrm{~cm}$
（6） $2 \mathrm{~m} 45 \mathrm{~cm}-1 \mathrm{~m} 15 \mathrm{~cm}$
$=1$ m 40 cm
（7） $2 \mathrm{~m} 40 \mathrm{~cm}-1 \mathrm{~m} \mathrm{25cm}=1 \mathrm{~m} 15 \mathrm{~cm}$
（8） $10 \mathrm{~m} 50 \mathrm{~cm}-2 \mathrm{~m} 10 \mathrm{~cm}=8 \mathrm{~m} 40 \mathrm{~cm}$
（9） $5 \mathrm{~m} \mathrm{20cm}-2 \mathrm{~m} 50 \mathrm{~cm}=2 \mathrm{~m} 70 \mathrm{~cm}$
（10） $7 \mathrm{~m} \mathrm{30} \mathrm{cm}-1 \mathrm{~m} 35 \mathrm{~cm}=5 \mathrm{~m} 95 \mathrm{~cm}$
4

－Ezemple Calculate the dimensions of a blackboard．

（1）The length of the blackboard is 20 cm longer than 3 m ．

$$
3 \mathrm{~m} \quad 20 \mathrm{~cm}
$$

（2）The width of the blackboard is 6 cm longer than 2 m ．

$$
2 \mathrm{~m} \quad 6 \mathrm{~cm}
$$

Calculate the dimensions of a container．
（1）The length of the container is 10 cm longer than 2 m ．


2）The width of the container is 15 cm longer than $\mid \mathrm{m}$ ．
The height of the container is 3 cm longer than 1 m ．


## Page 136－137


（1）The length of the bus is 20 cm shorter than 7 m ．

$$
6 \mathrm{~m} 80 \mathrm{~cm}
$$

（2）The width of the bus is 25 cm shorter than 2 m ．

$$
\text { । } \mathrm{m} 75 \mathrm{~cm}
$$

（3）The height of the bus is 6 cm shorter than 3 m ．

$$
2 \mathrm{~m} 94 \mathrm{~cm}
$$

Calculate the dimensions of a desk．
（1）The length of the desk is 10 cm shorter than 3 m ．

2．The width of the desk is 15 cm shorter than 2 m ．


The height of the desk is 3 cm shorter than 1 m ．



1 How long is the piece of tape in meters and centimeters？


2 Fill in the blanks．
（1） $200 \mathrm{~cm}=2 \mathrm{~m}$（2） $6 \mathrm{~m}=600 \mathrm{~cm}$
（3） $450 \mathrm{~cm}=4 \mathrm{~m} 50 \mathrm{~cm}$
（4） $107 \mathrm{~cm}=\square \mathrm{m} \square \mathrm{cm}$
3 Calculate the following lengths in meters and centimeters．

| （1） $1 \mathrm{~m}+3 \mathrm{~m}$ | $=4 \mathrm{~m}$ |
| :--- | :--- |
| （2） $6 \mathrm{~m} 10 \mathrm{~cm}+7 \mathrm{~m}$ | $=13 \mathrm{~m} \mid 10 \mathrm{~cm}$ |
| （3） $4 \mathrm{~m} 80 \mathrm{~cm}+1 \mathrm{~m} \mathrm{50} \mathrm{cm}$ | $=6 \mathrm{~m} 30 \mathrm{~cm}$ |

4 Calculate the following lengths in meters and centimeters．
（1） $7 m-3 m$
（2） $2 \mathrm{~m} 30 \mathrm{~cm}-20 \mathrm{~cm}$
$=4 \mathrm{~m}$
$=2 \mathrm{~m} 10 \mathrm{~cm}$
3． $4 \mathrm{~m} 60 \mathrm{~cm}-1 \mathrm{~m} 20 \mathrm{~cm}=3 \mathrm{~m} 40 \mathrm{~cm}$
（4） $2 \mathrm{~m} \mathrm{20} \mathrm{cm}-40 \mathrm{~cm}=1 \mathrm{~m} 80 \mathrm{~cm}$
（5） $3 \mathrm{~m} \mathrm{20} \mathrm{cm}-85 \mathrm{~cm}=2 \mathrm{~m} 35 \mathrm{~cm}$

(2) Write down the shapes of faces and the lengths of sides.

|  | Faces | Sides |
| :---: | :---: | :---: |
| $\square$ | Squares with the <br> same size | All the lengths are <br> the same |

2 Investigate the following box.
(1) Count the number of sides, faces and vertexes.

(a)

(b) $\qquad$ (c) $\square$
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(2) Write down the shapes of faces and the lengths of sides.

|  | Faces | Sides |
| :---: | :---: | :---: |
| $\square$ | Squares with the <br> same size | All the lengths are <br> the same |
|  | Opposite faces are <br> the same shape and <br> size. | 3 kinds of lengths <br> are described in 3 <br> kinds of color |

## - Erample Find the length of the side marked in red.



1 Find the length of the side marked in red.
(1)



## Page 144－145




## Page $148 \cdot 149$



Write the numbers in the $\square$ ．



Compare the following two numbers and write the appropriate sign $(<$ or $>)$ in the $\square$ ．
（1） $6235 \triangle 5982$
（2） $3583 \square 4123$
（3） $7100 \square 6900$
（4） $5899 \square 6211$
（5） $4584 \quad<6291$
（6） $2353>1985$
（7） $1486 \square 1613$
（8） $7569 \square 7280$
（9） $3529 \square 3129$
（10） $4673>4598$
（11） $5769 \quad<5799$
（12） $8153 \square 8161$
（13） $2057 \ll 2058$
（14） $3937 \quad<3939$


There are four number cards below．Make the following numbers by using these three cards．

（1）The largest number 7531
（2）The second largest number 7351
（3）The smallest number 1357
（4）The second smallest number $\quad 1537$
（5）Numbers that are larger than 7500 ．
753।，7513
6 Numbers that are smaller than 1500 ．



Write the numbers in the $\square$ ．

| 10 | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 |
| ---: | :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- |

（2） $3800390040004100 \quad 4200430044004500$

（3）

（4）


5


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## Page 152•153



1 Calculate the following addition problems．
（1） $500+900=1400$
（2） $900+400=1300$
（3） $700+800=1500$
（4） $400+800=1200$
（5） $400+700=1100$
（6） $800+900=1700$
（7） $500+600=1100$
（8） $900+100=1000$
（9） $500+700=1200$
（10） $200+800=1000$


1 Calculate the following addition problems．
（1） $2000+900=2900$
（2） $5000+400=5400$
（3） $7000+800=7800$
（4） $9000+100=9100$
（5） $6000+700=6700$
（6） $1000+200=1200$
（7） $4000+600=4600$
（8） $3000+500=3500$
（9） $8000+300=8300$
（10） $7000+500=7500$

## Page 154－155


$800-600=200$
Think about how many hundreds there are．
800 has 8 hundreds and 600 has 6 hundreds
So subtract 6 from 8 ．The answer is 2 ．It means 2 hundreds．
Therefore the answer is 200.


1 Calculate the following subtraction problems．
（1） $800-700=100$
（2） $700-300=400$
（3） $600-400=200$
（4） $400-100=300$
（5） $500-400=100$
（6） $800-600=200$
（7） $300-100=200$
（8） $900-500=400$
（9） $700-200=500$
（10） $700-100=600$
（11） $900-800=100$
（12） $600-200=400$

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## －Erample 2 Calculate the following subtraction problem．



Think about how many hundreds there are．
1200 has 12 hundreds and 800 has 8 hundreds． So subtract 8 from 12．The answer 4．It means 4 hundreds． Therefore the answer is 400


2 Calculate the following subtraction problems．
（1） $1200-900=300$
（2） $1300-500=800$
（3） $1600-700=900$
（4） $1500-800=700$
（5） $1400-700=700$
（6） $1100-300=900$
－Example 2 Calculate the following subtraction problem． $10000-3000=7000 \quad 10000$ is
Think about how many thousands there are． 10000 has 10 thousands and 3000 has 3 thousands． So subtract 3 from 10 ．The answer is 7 ．It means 7 thousands．Therefore the answer is 7000.

3 Calculate the following subtraction problems．
（1） $10000-6000=4000$（2） $10000-8000=2000$

## Page 156－157



2 Compare the following two numbers and write the appropriate sign（＜or＞）in the
（1） $9876>8952$
（2） $2345<3456$
（3） $5632>5599$
（4） $7389 \square 7411$
（5） $3610<3620$
（6） $6285>6283$

3 Write the numbers in the $\square$ ．

（3） $230024002500 \quad 260027002800 \quad 2900 \quad 300033100$

4 Calculate the following addition problems．
（1） $300+900=\begin{array}{ll}1200 & \text {（2）} 700+400= \\ \text {（3）} 7000+800= & 7800 \\ \text {（4）} 4000+500= & 4500 \\ \text {（5）} 600-200= & 400 \text {（6）} 800-600=4200 \\ \text {（7）} 1400-600=480 & \text { 8 } 1300-800=400 \\ \text {（9）} 10000-7000=3000 & \text {（10 } 10000-6000=4000\end{array}$

－Example I had some oranges．My friend gave me 13 oranges．Now I have 48 oranges altogether． How many oranges did I have at first？


1 My mother had some tomatoes at home．She bought 12 tomatoes at the shop today．Now she has 37 tomatoes．How many tomatoes did she have at first？


2 We had several notebooks at home．My brothers bought 18 notebooks at the shop．Now we have 27 notebooks．How many notebooks did we have at first？

$\underset{\text { Sentence }}{\operatorname{Math}} 27-18=9$


3 There are 60 sheets of red and blue paper altogether． There are 45 sheets of red paper．How many sheets of blue paper are there？


Answer


## Page 160－161



1 We have some cans of juice．We passed out 27 cans to our friends．We have 13 cans left．How many cans of


2 There were several cars parked in the parking area Twelve cars drove away．There are 29 cars left．How many cars were there in the parking area at first？


3 I had several stickers at home．I gave 35 stickers to my classmates．I have only 16 stickers left．How many stickers did I have at first？Make your own diagram and find the answer．



4 There were 24 children playing in the park．Several children went home．There are only 9 children left．How many children went home？


4 There were several people in the restaurant．Fifteen people went home．There are only 7 people left in the restaurant．How many people were in the restaurant at first？Make your own diagram．Make a math sentence and find the answer．


$$
\begin{aligned}
& \text { This is also another } \\
& \text { challenging task. Can you }
\end{aligned}
$$

$$
\text { Answer } 22 \text { people }
$$

## Page 164•165



$$
\begin{aligned}
& \text { We should think about whether it is divided into two equal } \\
& \text { parts. The word of "equal" is very important. }
\end{aligned}
$$

1 Circle the following pictures that show an object divided into $\frac{1}{2}$ parts．
（a）
（b）

（c）

（h）


2 Colour a $\frac{1}{2}$ part of the shape in the following pictures．
（a）

（b）

（c）

（d）


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$\square$ Instruction When something is divided into four equal parts，the size of one of the parts is called one fourth．It is written as the following：


Example Circle the following pictures that show an object divided into $\frac{1}{4}$ parts．


Circle the following pictures that show an object divided into $\frac{1}{4}$ parts．

（b）
（c）
（g）

（d）$\square$

（h）


$\varnothing$ Instruction When something is divided into eight equal parts，the size of one of the parts is called one eighth．It is written as the following：

$\square$ TuT This number is also called a fraction．


Circle the following pictures that show an object divided into $\frac{1}{8}$ parts．

（e）


$1\urcorner$ There are 12 tomatoes．Answer the following questions．
（1）Draw lines to divide 12 tomatoes into four equal parts
（2）How many tomatoes are there in one $\frac{1}{4}$ part？$\quad 3$ tomatoes

（3）What happens if you multiply the answer to Problem（2） by 4 ？

Multiplying 3 by 4 equals 12 ，which is the original number of tomatoes．

27 There are 16 tomatoes．Answer the following questions
（1）Draw lines to divide 16 tomatoes into four equal parts．

2．How many tomatoes are there in one $\frac{1}{4}$ part？

4 tomatoes

（3）Why are the number of tomatoes in one $\frac{1}{4}$ part in Problem I and Problem 2 different？
This is because the original number of tomatoes are different．There are 12 tomatoes in Problem I and 16 tomatoes in problem 2.


This is a very important point！
3 There are 16 onions．Answer the following questions．
（1）Draw lines to divide 16 onions into eight equal parts．
（2）How many onions are there in one $\frac{1}{8}$ part？$\quad 2$ onions
（3）What happens if you multiply the answer to Problem 2 by 8 ？

Multiplying 2 by 8 equals 16 ，which is the original
number of onions．


11 Write the numbers in the

（1）When something is divided into two equal parts，the size of one of the parts is called one half and is written as $\frac{1}{2}$ ．
2 When something is divided into eight equal parts，the size of one of the parts is called one eighth and is written as $\frac{1}{8}$ ．
（3）When something is divided into four equal parts，the size of one of the parts is called one fourth and is written as $\frac{1}{4}$ ．

2 How big is the coloured parts compared to the original shape？Choose from $\frac{1}{2}, \frac{1}{4}$ ，or $\frac{1}{8}$ ．
1



3 | $\frac{1}{4}$ |
| :--- | （6）

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## Page 172•173

## Number \＆Operation

Entire Grade－2 Review（।）
1 Calculate the following problems by using the algorithm．
（1） $38+21$
2
$18+27$
（3） $7+9$
（4） $257+23$

| 38 |
| ---: |
| +21 |
| 59 |

$\begin{array}{r}18 \\ +27 \\ \hline 45 \\ \hline\end{array}$

|  | 7 |  |
| ---: | :--- | :--- |
| + | 9 | 6 |
| 1 | 0 | 3 |


$\begin{array}{r}2557 \\ +\quad 233 \\ \hline 28 \\ \hline\end{array}$
（5） $69-18$



|  | 1 | 2 | 5 |
| ---: | ---: | ---: | :--- |
| - | 9 | 6 |  |
|  |  | 2 | 9 |

2 Calculate the following problems．
（1） $400+200=600$（2） $800-300=500$（3） $1000-300=700$
3 Compare the following two numbers and write the appropriate sign（＜or＞）in the $\square$
（1） $427 \gg 582$（2） $762 \gg 726$（3） $8182 \square 8131$
4 There are 18 boy students and 25 girl students in my class．
（1）How many students are there in my class？

（2）Today 4 students were absent．How many students are there today？


5 Calculate the following multiplication problems．
（1） $6 \times 3=18$
（4） $4 \times 7=28$
（2） $9 \times 6=54$
（3） $2 \times 5=10$
（5） $1 \times 6=6$
（6） $3 \times 9=27$
6 There are 5 boxes，each of which has 6 donuts．How many donuts are there altogether？


7 Look and the following picture and make a multiplication math sentence．Find the answer．
（1）


2


$$
3 \times 5=15
$$

$$
6 \times 2=12
$$

8 How big are the following coloured parts compared to the original size．Answer in fractions．
（1）

2
3

（4）


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## Page 176－177



## Page 178-179

## Data Utilization

Entire Grade-2 Review (4)
1 A student is watching animals at the national park.

(1) Tally them on the graph using a

(2) Fill the numbers in the table

| Name of animals | Number of animals |
| :--- | :---: |
| Giraffe | 6 |
| Elephant | 3 |
| Zebra | 5 |
| Gazelle | 8 |
| Cow | 3 |

(3) How many zebras are there?

What is the most common animal in the park?
$\square$

2 Find out what kind of colors are popular in your class


| Name of subjects | Number of students |
| :--- | :---: |
| Red | 4 |
| Orange | 5 |
| Yellow | 3 |
| Green | 6 |
| Blue | 8 |
| Brown | 4 |
| Purple | 2 |

(1) How many students like yellow?
(2) What color do 5 students like?
(3) What is the most popular color in the class?

What is the least popular color in the class?

(5) Four students like red. What other colour does the same number of students like? $\quad$ Brown
$\qquad$ same number of students like? $\quad$ Brown
range

rple


