## Practice Book for Mathematics

## Answer Book

II II -

## （2）



Page 1


Instruction Above the Ten Millions Place，there are the ＂Hundred Millions Place，＂ ＂One Billions Place，＂＂Ten Billions Place，＂and＂Hundred Billions Place＂
For example，7676965000＊ can be read as＂seven billion， －six hundred seventy－six －million，nin
－thousand．
（＊World population，202।）


Write the following numbers in the table and read it． （1）4006737000＊ $\qquad$ Hnt
 （＊World oil consumption，2020）


Four billion，six million，seven hundred thirty－seven thousand．


Thirteen billion，four hundred ninety－seven million，two hundred ninety－nine thousand．

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The following numbers show the population of countries with the largest population in the world（2021）．Write the numbers in the table and read them


| $\square-5$ | Numbers Greater than a Hundred Million |
| ---: | ---: | ---: |
|  | How to Express Numbers（3） |

－Example Write the following number in numerals in the table．
One billion，seventy－nine million，two hundred fifty－two thousand，eight hundred eighty＊．＜km＞（＊The distance light travels in one second）


Write the following numbers in numerals
（1）Two hundred sixty－one million，two hundred thousand＊＜people＞ （＊The population of Nigeria is the $7^{\text {th }}$ largest population in the world， 202 ।）


2 Eight billion，two hundred eighty－three million，three hundred thousand＊＜people＞（＊Number of mobile phone subscribers worldwide，2021）


3 One billon，six hundred fifty－three million，one hundred thousand＊＜km＞（＊The estimated distance between the Earth and Saturn）


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$\square$ Instruction It is possible to tell the structure of large numbers by their main units，such as＂billions，＂＂millions，＂ and＂thousands．＂

## 

For example，the number above is made of 3 one billions， 4 hundred millions， 5 ten millions and 7 one millions．

We can also say that the number is made of 3 one billions and 457 one millions or 3457 one millions

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

（1） 240000000 is made of 24 ten millions．
（2） 3457000000 is made of 3457 one millions．
Write the numbers in the $\square$ ．
（1） 453000000 is made of 453 one millions．
（2） 6520700000 is made of 6 one billions and 520 one millions and 700 one thousands．
（3） 32568000000 is made of 32 one billions and 568 one millions．
（4） 8206000000 is 8 one billions and 206 one millions．
（5） 720205000000 is 720 one billions and 205 one millions．

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Write the following number，the number multiplied by 10 and the number multiplied by 100 in the table．Read them
（1）Six billion，seven hundred eighty－nine million

10 times the number
Sixty－seven billion，eight hundred ninety million．
100 times the number Six hundred seventy－eight billion，nine hundred million．
（2）Three hundred four million，five hundred thousand

10 times the number
100 times the number Thirty billion，four hundred fifty million．

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## Page $10 \cdot 11$



Compare the following two numbers and write the appropriate sign （ $<$ or $>$ ）in the $\square$ ．
（1） $562130000<4621300000$

（2） $645398720>75239999$

（3） $3219865000 \quad<3569865000$


（5） $10388584982 \ll 10388584982$
（6） $340670890000<$
10


In the above game，we made the following numbers．Write the correct numbers in the $\square$ ．
（1）E包 5

|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  | 5 | 8 | 2 |
| $\times$ |  |  |  | 3 | 4 | 9 |
|  |  |  | 5 | 2 | 3 | 8 |
|  |  | 2 | 3 | 2 | 8 | 0 |
| ＋ | 1 | 7 | 4 | 6 | 0 | 0 |
|  | 2 | 0 | 3 | 1 |  | 8 |


| （2）［720［5］ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  |  |  |  | 6 | 2 | 0 |
| $\times$ |  |  |  | 8 | 5 | 3 |
|  |  |  |  | 8 | 6 | 0 |
|  |  |  | 1 | 0 | 0 | 0 |
| ＋ | 4 | 9 | 6 | 0 | 0 | 0 |
|  |  | 2 | 8 | 8 | 6 | 0 |



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Calculate the following division problems by using the algorithm．

|  | $\div 5$ | （2） $13 \div 2$ |  | （3） $48 \div 9$ |  | （4） $65 \div 8$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | R 2 |  | R 1 |  | R 3 |  | $R$ |
|  | $\frac{20 n}{7}$ |  | 6 | Tens Ones |  | Tens Ones |  |
|  | 37 |  | 3 2 |  | 8 5 |  | 65 |
|  | 2 |  | 1 |  | 3 |  | 1 |
| （5） $25 \div 7$ |  | （6） $38 \div 6$ |  | （7） $19 \div 4$ |  | （8） $22 \div 3$ |  |
| （9） $30 \div 9$ |  | （10） $49 \div 5$ |  | （11） $73 \div 8$ |  | （12） $41 \div 7$ |  |
| （5） | 3 R 4 | （6） | 6 R 2 | （7） | 4 R 3 | 8 | 7 R । |
| 9 | 3 R 3 | （10） | 9R4 | （11） | 9 R I | 12 | 5 R 6 |



Now 60 sheets will be divided equally among 3 children．We can think that 6 bundles of 10 sheets will be divided equally among 3 children．
1 Calculate the following division problems．

| （1） $40 \div 2=20$ | （2） $90 \div 3=30$ | （3） $60 \div 2=30$ |
| :---: | :---: | :---: |
| （4） $70 \div 7=10$ | （5） $240 \div 4=60$ | （6） $450 \div 5=90$ |
| （7） $560 \div 7=80$ | （8） $300 \div 6=50$ | （9） $560 \div 8=70$ |

－Example 2 Calculate $600 \div 3$ ．


2 Calculate the following division problems．
（1） $400 \div 2=200$（2） $800 \div 4=200$（3） $900 \div 3=300$
（4） $500 \div 5=100$（5） $2700 \div 3=900$（6） $1600 \div 4=400$
（7） $2100 \div 7=300$（8） $3000 \div 5=600$（9） $1000 \div 2=500$

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| $2-3$ | Division Algorithm－1 |
| :---: | :---: |
| Division Algorithm（2） |  |


Calculate the following division problems by using the algorithm．
$\begin{array}{llll}\text {（1）} 48 \div 2 & 93 \div 3 & \text {（3）} 84 \div 4 & \text {（4）} 55 \div 5\end{array}$

|  | $\frac{\mid \text { Tons } 1 \text { Ones }}{24}$ | Tens Ones <br> 3 1 |  | Tom 10 one <br> $2 \mid$ <br> 1 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 48 | 3） | 93 |  | 8.4 8 |  | 5 |
|  | 0 | － | 0：3 |  | $0 \begin{array}{r}4 \\ 4\end{array}$ |  | 0.5 |
|  | 0 |  | 0 |  | 0 |  | 0 |
| （5） $63 \div 3$ |  | （6） $86 \div 2$ |  | （7） $39 \div 3$ |  | （8） $48 \div 4$ |  |
| （9） $62 \div 2$ |  | （10） $96 \div 3$ |  | （11） $44 \div 4$ |  | （12） $28 \div 2$ |  |
| （5） | 21 | （6） | 43 | （7） | 13 | 8 | 12 |
| （2） | 31 | （10） | 32 | （11） | 11 | （12） | 14 |



Example Calculate $72 \div 3$ ．


Calculate the following division problems by using the algorithm．
$\begin{array}{llll}\text {（1）} 68 \div 4 & \text {（2）} 87 \div 3 & 76 \div 2 & \text {（4）} 96 \div 8\end{array}$



Calculate the following division problems by using the algorithm．
（1） $79 \div 3$
$=26 \mathrm{R} \square$
（2） $94 \div 4$
（3） $62 \div 5 \quad$（4） $99 \div 2$

$$
\square
$$


$=23 \mathrm{R} 2$
（5） $89 \div 7$（6） $77 \div 3$

4 | $\frac{20 n 5}{2.3}$ |
| :---: | :---: |
| 9 |

（7） $55 \div 2$（8） $86 \div 6$

| - | 6 |
| :--- | :--- |
|  | 1 |
| - | 1 |
|  | 8 |
|  |  |
|  | 1 |


| - | 8 |
| :--- | :--- |
|  | $1: 4$ |
| - | 1 |
|  | 2 |
|  | 2 |

（9） $92 \div 8$
（10） $74 \div 5$

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Calculate the following division problems by using the algorithm．


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Calculate the following division problems by using the algorithm．
$\begin{array}{llll}\text {（1）} 809 \div 6 & \text {（2）} 991 \div 8 & 715 \div 3 & \text {（4）} 625 \div 4\end{array}$



Calculate the following division problems by using the algorithm．
（1） $923 \div 3-2870 \div 8-3613 \div 2$（4） $547 \div 5$



Calculate the following division problems by using the algorithm．

（2） $704 \div 5$
（3） $482 \div 4 \quad$（4） $845 \div 7$
（5） $785 \div 6$（6） $967 \div 8$
（7） $871 \div 3 \quad 8521 \div 2$
（9） $704 \div 5$（10） $922 \div 4$


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Calculate the following division problems by using the algorithm．



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## Page 28－29



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Calculate the following division problems in your head．
（1） $48 \div 2=24$
（2） $63 \div 3=21$
（3） $48 \div 4=12$
（4） $96 \div 3=32$
（5） $82 \div 2=41$
（6） $68 \div 2=34$


Calculate the following division problems in your head．



Calculate the following division problems in your head．

（1） $640 \div 2=$| 320 |  | （250 $550=110$ |
| :--- | :--- | :--- |
| （3） $690 \div 3=230$ |  |  |
| （4） $840 \div 4=210$ | （5） $860 \div 2=430$ | （6） $480 \div 4=120$ |



Calculate the following division problems in your head．
（1） $760 \div 2=380$（2） $540 \div 3=180$（3） $960 \div 4=240$
（4） $650 \div 5=130$（5） $580 \div 2=290$（6） $480 \div 3=160$
（7） $680 \div 4=170$（8） $650 \div 5=130$（9） $780 \div 6=130$



3500 sheets of paper are divided equally among 3 classes． How many sheets of paper will each class get？How many sheets of paper will be left over？


Answer 166 R 2 ．
Check $3 \times 166+2=500$
4 I have 40 biscuits and my younger brother has 8 biscuits．How many times more biscuits do I have？
Math sentence $\quad 40 \div 8=5$
Answer 5 times
5 I have 72 pencils．I have 6 times more pencils than my brother has．How many pencils does my brother have？
Math sentence

$$
72 \div 6=12
$$

Answer 12 pencils



1 The graph below shows ground temperature every two hours． （1）What was the grand temperature ${ }^{\left({ }^{\circ}\right)}$ Temperature changes in aday at 6 a．m．？

## 2 At what time was the temperature

 $18^{\circ} \mathrm{C}$ ？3 What was the lowest temperature and when was it？

（4）Between which two time points did the temperature rise？ From 6：00 a．m．to 12：00 p．m．

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Example 1 The graph below shows ground temperature every


1 The graph below shows monthly temperatures for four months． Draw the two kinds of line graphs with different scales．



2 The following table shows how a boy＇s weight changed．Based on this，the graph became as shown in A．Rewrite the graph on grid paper B．

| month 4 5 6 7 8 9 <br> Weight（g） 27 27.5 28.4 28.7 29 29.2 How weight changes B How weight changes |
| :--- |



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（1）When is the biggest difference between the ground temperature and the water temperature？How many ${ }^{\circ} \mathrm{C}$ is the difference？ Time points：10：00 a．m．Difference： $6{ }^{\circ} \mathrm{C}$
（2）When is the smallest difference between the ground temperature and the water temperature？How many ${ }^{\circ} \mathrm{C}$ is the difference？
Time points：2：00 p．m．Difference：


A man lives in country A and considering vacation to country B．The table below shows two countries＇ground temperature each month． Draw the line graphs and answer the following questions．
$\left.\begin{array}{|l|c|c|c|c|c|c|c|c|c|c|c|c|}\hline \text { Month } & \text { Jan } & \text { Feb } & \text { Mar } & \text { Apr } & \text { May } & \text { Jun } & \text { Jul } & \text { Aug } & \text { Sep } & \text { Oct } & \text { Nov } & \text { Dec } \\ \hline \begin{array}{l}\text { Temperature in } \\ \text { country A（ }\end{array} \\ \hline \begin{array}{l}\text { Temperature in } \\ \text { country B（ }\end{array} & 10 & 11 & 12\end{array}\right)$

（1）What are the highest temperatures in each country？

$$
\text { Country A: } 29^{\circ} \mathrm{C} \quad \text { Country B: } 24^{\circ} \mathrm{C}
$$

（2）What are the lowest temperatures in each country？

$$
\text { Country A: } 10^{\circ} \mathrm{C} \quad \text { Country B: } 17^{\circ} \mathrm{C}
$$

（3）When is the biggest difference between the ground temperature and the water temperature？How many ${ }^{\circ} \mathrm{C}$ is the difference？

$$
\text { Month: January Difference: } 13{ }^{\circ} \mathrm{C}
$$

4．In which month are the temperatures in the two cities the same？


The graph below shows both the amount of onion sold at a city market in a bar graph and the price of 1 kg of onions in a line graph．

（＊＂zed（s）＂is the fictional currency unit．）
（1）Which month had the largest amount of onions？How much kg of onions were there？

$$
\text { Month: December Amount: } 700 \mathrm{~kg}
$$

（2）Choose appropriate observation on the graphs．

（3）How much money was made by selling onions in June？ Math sentence $300 \times 100=30000$



1 A boy recorded his body temperature to check his health on the graph below．
（C）Body temperature change in a day
（1）What was his body temperature at 6 a．m．？
$36.4^{\circ} \mathrm{C}$
（2）When was his temperature $36.8^{\circ} \mathrm{C}$ ？

## 4：00 p．m．

（3）What was the highest
temperature and when was it？
Temperature ： $37^{\circ} \mathrm{C} \quad$ Time point ： $2: 00$ p．m．
2 A manufacturer is developing a new mug．The table below shows the temperature change of coffee poured into an ordinal mug．Draw the line graphs using the information below．

| Time interval since <br> pouring（minute） | 0 | 20 | 40 | 60 |
| :--- | :---: | :---: | :---: | :---: |
| Coffee temperature（ ${ }^{\circ} \mathrm{C}$ ） | 100 | 60 | 45 | 35 |

Temperature change of coffee poured into a mug


（Minutes）

3 The graph below shows the amount of oranges sold at a city market in the bar graph and the price of $\mid t$ of oranges in the line graph．

（1）Which month had the largest amount of oranges？How much was it？

$$
\text { Month: December Amount: } 60 \mathrm{t}
$$

2）Observe the graphs and write what you noticed．

（3）How much money was made by selling oranges in March？ Math sentence

$$
650 \times 40=26000
$$

Answer 26000 zeds

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Example Draw the following angles using point A as the vertex．


Draw the following angles using point A as the vertex．


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1 Measure the following angles with a protractor．


2 Two different set squares are used to make angles as follows Find the size of each marked angle．


3 Draw the following angles using point A as the vertex．
（1） $60^{\circ}$

（2） $157^{\circ}$

（3） $270^{\circ}$


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Think of 10 as a single unit so that 60 equals 6 units of 10 and 20 equals 2 units of 10 ．If we do this，we can find the quotient for $60 \div$ 20 by simply dividing 6 by 2


1 Calculate the following division problems in your head．

| （1） $60 \div 30=2$ | （2） $80 \div 20=4$ | （3） $90 \div 30=$ | 3 |
| :---: | :---: | :---: | :---: |
| （4） $160 \div 40=4$ | （5） $240 \div 40=6$ | （6） $350 \div 50=$ | 7 |
| （7） $300 \div 60=5$ | （8） $560 \div 80=7$ | （9） $630 \div 70=$ | 9 |

## －Exemple 2 Calculate $90 \div 20$



2 Calculate the following division problems in your head．

| 1） $70 \div 20=$ | 3 R 10 | （2） $80 \div 30$ | 2 R 20 |
| :---: | :---: | :---: | :---: |
| （3） $130 \div 30=$ | 4 R 10 | （4） $150 \div 60=$ | 2 R 30 |
| （5） $350 \div 80=$ | 4 R 30 | （6） $600 \div 80=$ | 7 R 40 |



[^0]
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Calculate the following division problems by using the algorithm．



Calculate the following division problems by using the algorithm． $\begin{array}{llll}\text {（1）} 83 \div 27 & \text {（2）} 58 \div 19 & \text {（3）} 87 \div 28 & \text {（4）} 91 \div 18\end{array}$


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Calculate the following division problems by using the algorithm．

| （1） $158 \div 22$ |  | （2） $169 \div 32$ |  | （3） $315 \div 43$ <br>  |  | （4） $336 \div 51$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\bigcirc$ |  | 1017 <br> 1 |  |  |  |  |  |
|  | 1.58 <br> 0.0 | 3 |  | $43$ |  |  |  |  | 6 |
|  |  |  | 1 6  <br> 1 6  |  | 3 1 5 <br> 3 0 1 |  |  |  | 6 |
|  | 4 |  | 9 |  | 14 |  |  |  |  |
| （5） $584 \div 62$ |  | （6） $300 \div 74$ |  | （7） $271 \div 53$ |  | （8） $266 \div 86$ |  |  |  |
| （9） $707 \div 98$ |  | （10） $300 \div 48$ |  | （11） $344 \div 67$ |  | （12） $643 \div 76$ |  |  |  |
| （1） | 7 R 4 | 2 | 5 R 9 | 3 | 7 R 14 | （4） |  |  |  |
| 5 | 9 R 26 | 6 | 4 R 4 | （1） | 5 R 6 | 8 |  |  |  |
| 9 | 7 R 21 | （10） | 6 R 12 | （11） | 5 R 9 | （12） |  |  |  |


－Example Calculate $345 \div 21$ ．


Calculate the following division problems by using the algorithm． $\begin{array}{llll}\text {（1）} 385 \div 12 & \text {（2）} 897 \div 42 & \text {（3）} 639 \div 14 & \text {（4）} 431 \div 35\end{array}$

$=32 \mathrm{R} \left\lvert\,=$| $2 \mid \mathrm{R} 15$ | $526 \div 25$ | （6） $761 \div 34$ |
| :--- | :--- | :--- |\right.





Calculate the following division problems by using the algorithm． （1） $7969 \div 23$（2） $9245 \div 38$（3） $7674 \div 42$（4） $8773 \div 54$



Calculate the following division problems by using the algorithm． （1） $5679 \div 52$（2） $3954 \div 19$（3） $7021 \div 23$（4） $4458 \div 4$ 1
$=109 \mathrm{RII}=208 \mathrm{R} 2 \quad$（5） $7896 \div 13$（6） $9231 \div 23$
$5 2 \longdiv { 5 6 : 7 9 }$
$2 \longdiv { 5 } 5 6: 791$

 \begin{tabular}{l}
479 <br>
4.68 <br>
11 <br>
\hline 1

$\quad$

1 <br>
1 <br>
52 <br>
\hline
\end{tabular}

（7） $5773 \div 54 \quad 8$ 8354 $\div 27$
（9） $4871 \div 47$（10） $7053 \div 34$
$\left.\left.\begin{array}{|c|c|c|c|c|c|c|c|}\hline \text {（3）} & \begin{array}{c}305 \\ R 6\end{array} & \text { 4．} & \begin{array}{c}108 \\ R 30\end{array} & \text { 5 } & 607 \\ R 5\end{array}\right) . \begin{array}{c}401 \\ R 8\end{array}\right]$


There are 180 pencils．If we give 60 pencils to each child，how many children will get pencils？
（1）Think of 10 pencils as 1 unit．
180 pencils $\longrightarrow 18 \quad 18 \div 6=3$
60 pencils $\rightarrow 6 \xrightarrow{\text { Math sentence }}$
$180 \div 60=3$ Answer 3 children
（2）Think of 6 pencils as 1 unit．
180 pencils $\longrightarrow 30 \quad 30 \div 10=3$
60 pencils $\rightarrow 10 \xrightarrow{\text { Math sentence }}$
$180 \div 60=3$ Answer 3 children


Think about how to calculate the following division problems．
（1） $1600 \div 80=20$（2） $2400 \div 600=4$（3） $7200 \div 900=8$
－Example 2 Think about how to calculate $24000 \div 500$ ．


Think about how to calculate the following division problems
（1） $7500 \div 300=25$
（2） $22200 \div 600=37$
$3 \cup \vee \longdiv { 7 5 0 0 }$

$6 Q Q \longdiv { 2 } 2 2,2 Q$




1 Show the following numbers on the number line and round it to the nearest thousand．
（1）


Round the following numbers to the nearest thousand by paying attention to the digits in the hundreds place．
（1） 1814 （2） 92120 （3） 47936
$\qquad$
$\square$

$\qquad$

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－Instruction Round the numbers 5115 and 5761 to the nearest thousand without using the number line
When approximating a number between 5000 and 6000 to the nearest thousand，if the digit in the hundreds place is $0,1,2,3$ ，or 4 ，we round down and say it is approximately 5000 ．If it is $5,6,7,8$ ，or 9 ，we round up and say it is approximately 6000 ．This process is called rounding．
$5115 \Rightarrow$ Pay attention to the digit in the hundreds place It is 1.5 l I 5 is rounded down to 5000 ．
$5761 \Rightarrow$ Pay attention to the digit in the hundreds place It is 7.5761 is rounded up to 6000
－Example Round the following numbers to the nearest ten thousand by paying attention to the digits in the one thousands place．

$$
\text { (1) } 58213 \Rightarrow 60000 \text { (2) } 274865 \Rightarrow 270000
$$

1 Round the following numbers to the nearest ten thousand．


2 Round the following numbers to the nearest hundred thousand．


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In order to round to the highest place，we round the digit in the second highest place．
In this case，we round up to 400000，because the number in the second highest place is 9 ．
－Exemple Round 28136 to the highest place． Round 28136 to the second highest place．
 $\Rightarrow$ The number rounded to the second highest place． 28000

1 Round the following numbers to the highest place


2 Round the following numbers to the second highest place．


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Exemple What are the largest and smallest numbers that can be rounded to 800 when rounded to the nearest


When looking at the tens number，any number between 750 and 849 will round to 800 ．

1 What are the largest and smallest numbers that can be rounded to the following numbers when rounded to the nearest ten．


－Example 1 own a restaurant． 197 guests came to my restaurant on Sunday， 173 guests came yesterday， and 128 guests came today．Approximately how many total guests came to my restaurant over these days？Estimate the number of guests to the nearest hundred．

$$
\begin{aligned}
& \text { Round each number first } \\
& \text { and then add. }
\end{aligned}
$$

Math sentence

$$
\begin{gathered}
197+173+128=498 \\
\sqrt{-} \\
200+200+100=500
\end{gathered}
$$

$200+200+100=500$


1 There is a famous park in my town． 322 tourists came to the park in April， 172 tourists came in May，and 207 tourists came in June．Approximately how many tourists came to the park during these three months？Estimate the number of tourists to the nearest hundred．
Math sentence

$$
300+200+200=700
$$

Answer 700 tourists
2 The table below shows the number of people that came to a football stadium on Saturday，Sunday and Monday．

| Day of the week | Saturday | Sunday | Monday |
| :--- | :---: | :---: | :---: |
| Number of people | 15340 | 23537 | 8752 |

（1）Approximately how many people came to the stadium these three days？Estimate the number of people to the nearest thousand．
Math sentence

$$
15000+24000+9000=48000 \quad \text { Answer } \quad 48000 \text { people }
$$

（2）What is the difference between the number of people that came on Saturday and the number of people that came on Monday？Round to the nearest thousand．
Math sentence

$$
15000-9000=6000 \quad \text { Answer } 6000 \text { people }
$$


－Example The distance from my house to school is 1890 m round trip．If I go to school 209 days this year，what is the approximate distance I will walk this year？ Estimate the total distance by using rounded numbers to the highest place．

| $1890 \times 209=395010$ | Round each number first <br> and then multiply． |
| :--- | :--- |
| $2000 \times 200=400000$ |  |
| $\frac{\text { Math sentence }}{2000} \times 200=400000$ | Answer 400000 m |

1 The distance from my house to the market is 725 m round trip． My mother walks to this market 295 days a year．What is the approximate travel distance that my mother walks in a year？ Estimate the total distance by using rounded numbers to the highest place．
Math sentence

$$
700 \times 300=210000 \quad \text { Answer } \quad 210000 \mathrm{~m}
$$

2 My father delivers newspapers to 289 houses in our neighborhood 317 days a year．Approximately how many newspapers does he deliver in one year？Estimate the answer by using rounded numbers to the nearest hundred． Math sentence

90000
$300 \times 300=90000$
Answer newspapers
3 In one day，a company sold 615 packages of sweet Approximately how many packages of sweet will this company sell in half year（ 182 days）？Estimate the answer by using rounded numbers to the nearest hundred
Math sentence
$600 \times 200=120000$
Answer
packages

## Page 70－71



1 An automobile company sold 23708 cars last year（365 days）． Approximately how many cars did the company sell in one day？ Estimate the answer by using rounded numbers to the nearest thousand for the dividend and to the nearest hundred for the divisor．
Math sentence

$$
24000 \div 400=60 \quad \text { Answer } \quad 60 \text { cars }
$$

2 The perimeter of the lake at the park is 790 m ．The distance you run during a marathon is 42195 m ．How many times would you have to run around the perimeter of the lake to run as far as a marathon？Estimate the answer by using rounded numbers to the nearest ten thousand for the dividend and to the nearest hundred for the divisor
Math sentence

$$
40000 \div 800=50
$$

Answer 50 times
3 There are 213 boxes．The total weight is 27940 kg Approximately how much does one box weigh？Estimate the answer by using rounded numbers to the nearest thousand for the dividend and to the nearest hundred for the divisor． Math sentence
$28000 \div 200=140$
Answer $\qquad$


1 Another girl is wondering if 600 zeds $^{*}$ is enough to buy a ballpoint pen（ 135 zeds），scissors（ 222 zeds）and a diary（ 219 zeds）．Round up the cost each item and estimate the total cost if she can buy all three items with 600 zeds．（＊＂zed（s）＂is the fictional currency unit．）
Math sentence
$140+230+220=590$ Answer
The total is about 59
zeds and she can buy


| －Example 2 | At this stationary shop，we can draw one lot for purchases of 500 zeds＊or more．A boy wants to purchase a marker（ 126 zeds），a ruler（ 179 zeds）and a pencil case（ 221 zeds）．He is wondering whether the total is 500 zeds or more．Round down the price of each item and estimate the total cost if he can draw one lot．（＂zed（s）＂is the fictional currency unit．） |  |
| :---: | :---: | :---: |
| Math sentence |  |  |
| $120+1$ | $+220=510$ | more than a certain amount，you ca |
| $\begin{aligned} & \text { Answer } \\ & \text { The to } \\ & \text { and he } \end{aligned}$ | al is more than 500 zeds can draw one lot． | them together．In this case，round the numbers to the nearest ten． |

2 At this store，we can get a small gift for purchases of 600 zeds＊or more．I would like to buy a pencil set（ 102 zeds），a set of paperclips （ 154 zeds）and a pencil sharpener（ 378 zeds）．Can I get a small gift？ （ 254 zeds）and a pencil sharpener（ 378 zeds）．Can I get a small gift？ is the fictional currency unit．） Math sentence $100+150+370=620$ Answer The total is more than
600 zeds and The total is more than
600 zeds and $I$ can get 600 zeds and
a small gift．

6 Estimate the answers to the following problems by rounding the numbers to the nearest hundred.

| (1) $338+267+1824$ | $=300+300+1800=2400$ |
| :--- | :--- |
| (2) $495+213+287$ | $=500+200+300=1000$ |
| (3) $385+1183+2131$ | $=400+1200+2100=3700$ |
| (4) $1000-176-325$ | $=1000-200-300=500$ |
| (5) $1000-419-298$ | $=1000-400-300=300$ |
| (6) $1000-526-396$ | $=1000-500-400=100$ |

7 Estimate the answers to the following problems by rounding the numbers to the highest place

| (1) $847 \times 5649$ | $=800 \times 6000=4800000$ |
| :--- | :--- | :--- |
| (2) $7298 \times 284$ | $=7000 \times 300=2100000$ |
| (3) $1965 \times 412$ | $=2000 \times 400=800000$ |
| (4) $76354 \div 38$ | $=80000 \div 40=2000$ |
| (5) $626481 \div 190$ | $=600000 \div 200=300$ |
| (6) $892785 \div 315$ | $=900000 \div 300=3000$ |

8 My friend is wondering if 1000 zeds* is enough to buy a ooth paste ( 246 zeds), a washing detergent ( 375 zeds) and a shampoo ( 418 zeds). Round up the cost each item and estimate the total cost if she can buy all three items with 1000 zeds. (" "zed(s)" is the fictional currency unit.)

numbers to the nearest ten


Math sentence
$250+380+420=1050$
Answer $\begin{aligned} & \text { The total is about } 1050 \\ & \text { zeds and she cannot }\end{aligned}$

Answer zeds and she cannot | zeds. |
| :--- |
| zuy all items with 1000 |

## Page 74•75


-Example Which of the following intersections have a right angle?


1 Which of the following intersections have a right angle?


2 Which of the lines shown in the figure below are perpendicular to Line A?

B, E, and G

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| － 3 | Perpendicular／Parallel Lines and Quadrilaterals |
| :--- | :--- |



1 Draw a perpendicular line to each the following lines through
the given point．
（1）

3

76
2




2 Draw a line parallel to the given line that passes through the following points．
（1）
$\qquad$
（2）

（3）Draw lines parallel to line A．The length between all the lines
should be $\mid \mathrm{cm}$ ．
$\qquad$

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Page 80． 81


1 Find the following lengths and angles．
（1）Sides BC and CD，Angle C and D

（2）


|  | Side AB |
| :--- | ---: |
|  | 2 cm |
| Angle C | $75^{\circ}$ | | Side $A D$ | 3 cm |
| :--- | :--- |
| Angle $D$ | $105^{\circ}$ |



2 Lines $A$ and $B$ are parallel．Draw a parallelogram using these lines．


3 Draw the following parallelogram．


－Instruction What is a rhombus．
－A rhombus is a quadrilateral whose
four sides are equal in length．
－The opposite sides of a rhombus are
parallel．
－The opposite angles of a rhombus
are equal．


1 Find the following lengths and angles．
（1）Sides $B C$ and $C D$ ，Angle $C$ and $D$

（2）

$$
\begin{aligned}
& =\int_{800}^{200} \int_{c}^{200} \\
&
\end{aligned}
$$

82

（2）Draw the following rhombuses．
©

（2）



## Page $84 \cdot 85$



Page $86 \cdot 87$


Match the following quadrilaterals and its properties
 86


1 Which of the following intersections have a right angle？
（a）

（b）

（c）

（d）


2 Which of the lines shown in the figure below are the following？
（1）Pair of perpendicular lines
（2）Pair of parallel lines


3 Find the following lengths and angles．
（1）Parallelogram

（2）Rhombus



－Instruction A stationary had 50 pencils．Last mon 10 A stationary shop had 50 pencils．Last month
pencils were sold，and 15 pencils were sold in this month．How many pencils does the shop have left？Make a single math sentence．
Two students thought as follows：


A cake shop had 40 cakes． 20 cakes were sold in this morning and 15 cakes were sold in this afternoon． How many cakes does the shop have left？

Subtract the total number of cakes sold
from 100 ．
Math sentence from 100.
$40-(20+15)=40-35=15$ Answer 15 cakes
1 An electronics store had 20 TV at a special price．Eight TVs were sold yesterday and II TVs were sold today．How many TVs does the store have left？
Math sentence

$$
20-(8+11)=20-19=1 \quad \underline{\text { Answer }} \quad 1 \text { TV }
$$

2 Calculate the following
 88

$\square$ Instruction Cakes can be packed into a box 2 deep and 3 wide．How many boxes do you need to hold 60 cakes？Make a single math sentence．


| －Erample | Watermelons can be packed into a b 4 wide．How many boxes do we ne watermelons？Make a single math sen | 3 deep d to hol ence． |
| :---: | :---: | :---: |
|  | Divide 180 by the $n$ watermelons packed int |  |
| Math senten | $48 \div(3 \times 4)=48 \div 12=4$ Answer | box |
| 1 Oranges can be packed into a box 6 deep and 8 wide．How |  |  |
| many boxes do we need to hold 480 oranges？ <br> Math sentence |  |  |
|  |  |  |
| $480 \div(6 \times 8)=480 \div 48=10$ |  |  |
|  | Answer | 0 boxe |

2 The seats on a train seat 2 people on one side of the aisle and 3 people on the other．How many rows of seats are needed to seat 25 people？
Math sentence

$$
25 \div(2+3)=25 \div 5=5
$$

3 Calculate the following
（1） $420 \div(12+30)=10$

$\qquad$ （2） $560 \div(8 \times 7)=$ | 10 |
| :---: |
| 12 |

（3）$(165-45) \div 8=$ $\qquad$ $480 \div(95-55)=12$


1 Write the formula for calculations and find the answers．
（1） $30+70 \times 4$
（2） $15+25 \times 3$
$=15+75=90$
$=30+280=310$
（4） $\begin{array}{r}90-48 \div 6 \\ =90-8=82\end{array}$
$=45+6=5$

$$
=90-8=82
$$

 and 3 piece of paper each of which costs 15 zeds What is the total price？（＂zed（s）＂is the fictional currency unit．）
The total price of pencils $80 \div 2=40$（zeds） The total price of paper $\quad 15 \times 3=45$（zeds）

How to calculate＂ $80 \div 2+15 \times 3$＂


2 Write the formula for calculations and find the answers．
（1） $60 \div 3+25 \times 2$ $=20+50=70$
2． $36 \div 4+5 \times 7$
$\begin{aligned} & 20 \times 8-40 \div 4 \\ &=160-10=150\end{aligned}$
$=160-10=150$
（4） $50 \times 3-81 \div$
$=|50-9=|4|$


Example Solve the following equations．


Solve the following equations．Show your work by following the order of operations．
（1） $7 \times 8-6 \div 2$
（2） $7 \times(8-6) \div 2$
$=56-3$
$=7 \times 2 \div 2$
$=53$
$=14 \div 2=7$
（3） $7 \times(8-6 \div 2)$
$=7 \times(8-3)$
$=7 \times 5=35$
（5） $8 \times 20-12 \div 4$
$=160-3$
$=157$
（7） $8 \times(20-12 \div 4)$
$=8 \times(20-3)$
$=8 \times 17=136$
（9） $6 \times 9-15 \div 3$
$=54-5$
$=49$
（4）$(7 \times 8-6) \div 2$
$=(56-6) \div 2$
$=50 \div 2=25$
（6） $8 \times(20-12) \div 4$
$=8 \times 8 \div 4$
$=64 \div 4=16$
8）$(8 \times 20-12) \div 4$ $=(160-12) \div 4$ $=148 \div 4=37$
（10） $6 \times(9-15 \div 3)$ $=6 \times(9-5)$ $=6 \times 4=24$

## Page 92． 93



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Write the correct math symbols $(+,-, \times, \div)$ in the $\bigcirc$ to make the math sentence correct．Use（ ）if needed．


Examples 94

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1 Read the following questions．Write out the math sentence and solve．
（1）An electronics store had 30 mobile phones for sale．Sixteen mobile phones were sold yesterday and II mobile phones were sold today．How many mobile phones remain for sale at the electronics store？
Math sentence

$$
30-(16+11)=30-27=3 \quad \text { Answer } 3 \text { mobile phones }
$$

（2）Melons can be packed into a box 4 deep and 5 wide．How many boxes do we need to hold 80 melons？
Math sentence

$$
80 \div(4 \times 5)=80 \div 20=4 \quad \text { Answer } \quad 4 \text { boxes }
$$

2 Solve the problem．Show your work by following the order of operations．
（1） $50+40 \times 3$ $=50+120$
（2） $200-72 \div 8$ $=200-9$
$=170$

$$
=191
$$

（3） $20 \times 3+24 \div 6$
（4） $36 \div 4-20 \div 5$
$=60+4$
$=9$
$=5$
3 Simplify the problems and then calculate them． Examples
（1） $68 \times 4 \times 25=68 \times(4 \times 25)=68 \times 100=6800$
（2） $25 \times 53 \times 4=25 \times 4 \times 53=100 \times 53=5300$
（3） $103 \times 9=(100+3) \times 9=100 \times 9+3 \times 9=900+27=927$
（4） $108 \times 7=(100+8) \times 7=100 \times 7+8 \times 7=700+56=756$
（5） $89+56+44=89+(56+44)=89+100=189$


1 Find the area of each figure below in $\mathrm{cm}^{2}$ ．


－Example Compare the size of Square A and Rectangle B by counting the number of squares


Square $A$ has 16 squares．
Rectangle $B$ has 15 squares．
－The size of a figure is called is＂area＂．
The area of a square with $\mid \mathrm{cm}$ side is I square centimeter
－＂Square centimeter＂is a unit of area．
，
－Square centimeter is a unit of area．
80
$15 \mathrm{~cm}^{2}$ ．
Thus，the extent of Square $A$ is larger than Rectangle B
Find the area of the rectangle and the square below．
（1）How many 1 cm squares are there？


4 I cm square side $\mathrm{cm}^{2}$ ．

I cm squares．
$\mathrm{cm}^{2}$

2 Find the area of the following figures．


98


## Page 102－103



1 Find the area of the following figures．


2 Find the area of the following figures．



1 Find the area of the following figures with specified unit in（）．
（1）A rectangle with 80 m length and 30 m width（a）
$\frac{\text { Math }}{\text { sentence }} 8 \times 3=24 \quad$ Answer 24 a
2 A square with 300 km sides（ha） （2ant $3 \times 3=9 \quad$ Answer 9 ha
－Example 2 Fill in the blank with numbers to see the relation between the length of a side and the area of a square．


2 Fill in the blank with numbers to see the relation between the length of a side and the area of a square．

| Length of a <br> side | 10 m | 100 m | 1 km <br> $(1000 \mathrm{~m})$ |
| :--- | :---: | :---: | :---: | :---: |
| Area | 1 a <br> $\left(100 \mathrm{~m}^{2}\right)$ | 1 ha <br> $\left(10000 \mathrm{~m}^{2}\right)$ | $1 \mathrm{~km}^{2}$ <br> $\left(1000000 \mathrm{~m}^{2}\right)$ |

## Page 104－105



$$
\text { A } 10 \mathrm{~cm}^{2} \text { B } 8 \mathrm{~cm}^{2} \text { C } 3 \mathrm{~cm}^{2}
$$



4 I want to make a rectangle with an area of $24 \mathrm{~cm}^{2}$ and a width of 3 cm ．How many cm should the length be？



7 Find the area of the following figures with specified unit in（）． （1）A rectangle with 20 m length and 10 m width（a）

| $\frac{\text { Math }}{\text { sentence }} \quad$$1 \times 2=2$The area is two <br> $10 \times 10$ s． 10 m <br> Answer <br> 2 a | 1 m |
| :--- | :--- |

（2）A rectangle with east－west 2000 m and north－south $4 \mathrm{~km}\left(\mathrm{~km}^{2}\right)$ $\begin{array}{ll}\text { Math } & 2000 \mathrm{~m}=2 \mathrm{~km} \\ \text { sentence } \\ 4 \times 2=8\end{array} \quad$ Answer $8 \mathrm{~km}^{2}$


The table below shows the number of injuries for one week Organize the table based on the type of injury and the location where it occurred． $\qquad$
 Injury Report

| Grade | Type of injury | Location |
| :---: | :--- | :--- |
| 5 | Scrape | Playground |
| 3 | Bruise | Playground |
| 4 | Sprain | Classroom |
| 2 | Cut | Classroom |
| 4 | Cut | Playground |
| I | Scrape | Playground |
| 4 | Sprain | Gym |

 of injuries are common and where
they occurred？ they occurred？
$\begin{aligned} & \text { How can we } \\ & \text { take actions to }\end{aligned}$ How can we reduce injures
in playground？ in playground？


The table below shows the kinds of books and the number of books borrowed one day．Answer the following questions


1）Fill in the blanks．
（2）What kinds of books borrowed the most？Picture book
（3）Which grades of students borrowed the books least？


## Page $110 \cdot 111$



Answer the following questions
（1）How many 0.01 L are needed to make $0.04 \mathrm{~L}, 0.07 \mathrm{~L}, 0.12 \mathrm{~L}$ ， and 1.23 L ，respectively？
0.04 L is made of $40.01 \mathrm{~L} . \quad 0.07 \mathrm{~L}$ is made of 70.01 L ．
0.12 L is made of $120.01 \mathrm{~L} . \quad 1.23 \mathrm{~L}$ is made of 1230.01 L ．
（2）How many 0.001 m are needed to make $0.006 \mathrm{~m}, 0.008 \mathrm{~m}$ ， $0.01 \mathrm{~m}, 0.1 \mathrm{~m}$ ，respectively？
0.006 m is made of 60.001 m .0 .008 m is made of 80.001 m ．
0.01 m is made of $100.001 \mathrm{~m} . \quad 0.1 \mathrm{~m}$ is made of 1000.001 m ．


What are the lengths indicated by the arrows？



Convert the following to km or kg as indicated next to the answer box．


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## Page $114 \cdot 115$



Put the following numbers on the number line．Then fill in the boxes using the letter in the correct order

$\begin{array}{llllllll}3 & 1 & 0.33 & 2 & 0.31 & 3 & 0.387 & \text {（4）} 0.342\end{array}$（5） 0.365



Solve the word problem and write the answer in the box．Mark the answer belongs on the number line


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Answer the following questions．
（2）What is 0.284 multiplied by 100 ？
（3）What is 1.35 multiplied by $\frac{1}{10}$ ？
（4）What is 1.54 multiplied by $\frac{1}{100}$ ？

| 41.2 |
| ---: |
| 28.4 |
| 0.135 |
| 0.0154 |



Calculate the following problems by using the addition algorithm．

| $2.47+4.32$ |  |  |
| :--- | :---: | :---: |
|  2.4 7 <br> + 4.3 2 <br>  6.7 9 |  |  |

（2） $1.83+2.65$
（3） $1.45+0.71$


| 1.45 |
| ---: |
| +0.71 |
| 2.16 |

（4） $7.62+1.29$
（5） $2.64+3.17$
（6） $0.65+1.58$
（7） $8.55+0.76$
（8） $5.73+1.48$
（9） $6.12+0.99$
（10） $26.73+12.81$
（11） $4.945+0.371$
（12） $6.809+7.272$


## Page 118•119



Calculate the following problems by using the addition algorithm． Cross out any unnecessary zeros．
（1） $0.56+0.34$

|  | 0.5 | 6 |
| ---: | :---: | :---: | :---: |
| + | 0.3 | 4 |
|  | 0.9 | $Q$ |


（4） $3.249+0.541$
（5） $0.074+0.586$
（6） $0.157+2.623$
（7） $2.734+1.186$
（8） $1.384+4.516$
（9） $0.147+0.753$
（10） $1.249+4.351$
（11） $3.725+1.175$ （12） $0.341+3.659$

| 4 | 3.79 | 5 | 0.66 | （6） | 2.78 | （1） | 3.92 | 8 | 5.9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 0.9 | （10） | 5.6 | （11） | 4.9 | （12） | 4 |  |  |



Calculate the following problems by using the addition algorithm．



Calculate the following problems by using the subtraction algorithm．
（1） $4.56-2.34$
（2） $3.26-2.48$
（3） $6.85-4.96$

|  | 4.5 | 6 |
| ---: | ---: | ---: | ---: |
| - | 2.3 | 4 |
|  | 2.2 | 2 |



|  | 6.8 | 5 |
| ---: | ---: | ---: |
| - | 4.9 | 6 |
|  | 1.8 | 9 |

（4） $4.03-0.86$
（5） $2.41-1.85$
（6） $7.36-5.47$
（7） $8.23-6.84$
（8） $5.84-4.89$
（9） $1.24-0.99$
（10） $48.85-27.96$
（II） $37.24-5.95$
（12） $0.927-0.688$


## Page 122•123



Calculate the following problems by using the subtraction algorithm．
（1） $5-0.25$
（2） $7-3.46$
（3） $3-1.19$

|  | 5.0 | 0 |
| ---: | :--- | :--- | :--- |
| - | 0.2 | 5 |
|  | 4.7 | 5 |


（4） $6-5.36$
（5）$|-0.6|$
（6） $8-7.94$
（7） $2-1.87$
（8） $4-3.18$
（9） $10-9.21$
（10） $42-9.96$
（11） $9-0.036$
（12） $2-1.097$


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1 Write the answers in the $\square$
（1） 3.46 is equal to 3 and 0.46 together．
2．1．23 is 0.07 less than I．3．
（3） 2.34 is equal to 2 I＇s， 3 0．I＇s，and 4 0．01＇s together．
（4） 1.234 is equal to 12340.001 ＇s．
2 Write the number in the $\square$ that the arrow points to on the number line．


3 Answer the following problems．
（1）What number is 100 times as much as $0.678 ?$

| 67.8 |  |
| :--- | :--- |
| （2）What number is $\frac{1}{10}$ of 0.35 ？ | 0.035 |

4 Calculate the following by using the algorithm．

| 1 | $0.48+1.37$ |  | （2） $2.67+4.47$ |  |  | （3） $5.84+1.69$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | $0.76+2.47$ |  | 5 | $1.273+3.817$ |  | （6） | $2+9.68$ |
| （7） | ． $35-1$ |  | 8 | － |  | 9 | $6.4-2.17$ |
| （10） | － 7 |  | （11） | 3.9 |  | （12） | $1-0.879$ |
| （1） | 1.85 | 2 | 7.14 | 3 | 7.53 | 4 | 3.23 |
| 5 | 5.09 | 5 | 11.68 | （7） | 1.18 | 8 | 2.09 |
| 9 | 4.23 | （10） | 0.97 | （11） | 1.001 | 12 | 0.121 |



Page 126－127



1 I have 8 bottles of tea．Each bottle holds 0.7 L ．How many L of tea do I have in total？ Math sentence

$$
0.7 \times 8=5.6
$$



There are 7 ribbons．Each ribbon is 0.5 m long How many m of ribbon are there in total？ Math sentence

$$
0.5 \times 7=3.5
$$



Answer 3.5 m
3 Calculate the following multiplication problems



When multiplying Multiply exactly Write the decimal one decimal number the same as if point for the product by a whole number，they were two directly beneath the disregard the decimal whole numbers．decimal point in the point．Line up the last digits of both numbers to the right．

Calculate the following by using the multiplication algorithm．
1） $3.8 \times 4$

|  |  | 3.8 |  |
| ---: | ---: | ---: | ---: |
| $\times$ |  |  | 4 |
|  | 1 | 5.2 |  |

（2） $4.6 \times 7$

|  |  | 4.6 |  |
| :--- | :--- | :--- | :--- |
| $\times$ |  |  | 7 |
|  | 3 | 2.2 |  |

（3） $5.2 \times 4$

|  | 5.2 |
| ---: | ---: |
| $\times$ | 4 |
| 2 | 0.8 |

4． $7.3 \times 5$
（5） $8.7 \times 6$
（6） $12.3 \times 4$
（7） $15.6 \times 3$
（8） $27.8 \times 2$
$3.52 \times 8$
（10） $21.4 \times 6$
（II） $34.5 \times 5$
$48.7 \times 6$

| （4） | 36.5 | （5） | 52.2 | （6） | 49.2 | 1 | 46.8 | － | 55.6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | 28.16 | （1） | 128.4 | （11） | 172.5 | （12） | 292.2 |  |  |

## Page 130•131


－Example Calculate $2.7 \times 32$ by using the multiplication algorithm．
 both numbers to the both numbers to the
right． Calculate the follow
Calculate the following by uing me


－Example Calculate $2.34 \times 7$ by using the multiplication algorithm．
 one decimal number were multiplying write the decimal by a whole number，two whole numbers．point for the product whe directly beneath the disregard the decima point．Line up the last digits of both numbers to the right．

Calculate the following by using the multiplication algorithm．
（1） $2.57 \times 62$
（2） $8.41 \times 19$
（3） $2.06 \times 73$

（4） $1.86 \times 84$
（5） $7.36 \times 67$
$8.59 \times 39$
（7） $3.45 \times 63$（7） $4.56 \times 58$（7） $5.35 \times 43$
$\begin{array}{lll}\text {（10）} 6.37 \times 76 & \text {（11）} 1.97 \times 98 & \text {（12）} 2.86 \times 79\end{array}$



Calculate the following by using the multiplication algorithm．
（1） $1.35 \times 6$

|  | 1.3 | 5 |  |
| :---: | :---: | :---: | :---: |
| $\times$ |  |  | 6 |
|  | 8.1 | $Q$ |  |

$3.75 \times 2$

|  | 2.7 | 5 |
| ---: | ---: | ---: |
| $\times$ |  | 2 |
|  | 5.5 | $Q$ |

（3） $1.85 \times 4$

|  | 1.8 | 5 |
| :---: | :---: | :---: | :---: |
| $\times$ |  | 4 |
|  | 7.4 | $Q$ |


| 4 | $0.15 \times 4$ |  | 5 | $1.26 \times 5$ |  | （6） |  | $3.95 \times 2$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| （1） | $2.46 \times 5$ |  | 8 | $1.85 \times 8$ |  | （2） |  | $4.36 \times 5$ |  |
| （1） | $1.42 \times 5$ |  | （1） | $1.25 \times 4$ |  | （12） |  | $1.25 \times 8$ |  |
| （4） | 0.6 | （3） | 6.3 | 6 | 7.9 | （1） | 12.3 | 8 | 14.8 |
| （2） | 21.8 | （10） | 7.1 | （1） | 5 | （12） | 10 |  |  |



Calculate the following by using the multiplication algorithm．

|  |  | 0.2 | 3 | 7 |  |  | 0 | ． 1 | 4 | 8 |  | 0 | 3 | 0 |  | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| x |  |  | 3 | 6 |  | $\times$ |  |  | 1 | 9 | $\times$ |  |  | 2 |  | 8 |
|  |  | 14 | 2 | 2 |  |  | 1 | 3 | 3 | 2 |  | 2 | 4 | 5 |  | 6 |
| ＋ | ＋ | 7 ｜ | । |  |  | ＋ | I | 4 | 8 |  | ＋ | 6 | 1 | 4 |  |  |
|  |  | 8.5 | 3 | 2 |  |  |  | 8 | 1 | 2 |  | 8 | 5 | 9 |  | 6 |
| 4 | $0.455 \times 15$ |  |  |  |  | $0.528 \times 17$ |  |  |  |  | （6） $0.296 \times 32$ |  |  |  |  |  |
|  | $1.562 \times 16$ |  |  |  | （8） | $0.826 \times 76$ |  |  |  |  |  | $1.746 \times 28$ |  |  |  |  |
|  |  | $468 \times$ |  |  | （1） | 3. | $3.085 \times 25$ |  |  |  | （12） | $4.872 \times 18$ |  |  |  |  |
| 4 |  | 6.825 | （5） |  | 8.976 | 6 |  | 9.472 |  | 1 | 24.992 | 8 |  | 62.7 |  |  |
| 9 |  | 8.888 | （10） |  | 83.912 | （1） |  | 77.125 |  | （1） | 87.696 |  |  |  |  |  |

## Page 134－135



1 There are some long desks．The length of the desk is 1.24 m ． If we connect 16 desks，how many $m$ will it be from end to end？

| Math sentence |  |  |  |  | 2 | 4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\times$ |  |  | 1 | 6 |
|  |  |  | 7 | 4 | 4 |
| Math sentence$1.24 \times 16=19.84$ |  |  | ＋ |  | 2 | 4 |  |
| Answer | 19.84 m |  |  | 9 | 8 | 4 |

2 There are 23 empty water bottles．If we put 0.55 L of water in each bottle，how many $L$ of water will we need in total？
Math sentence


3 A rectangular flower bed is 18.25 m long and 14 m wide．How many $\mathrm{m}^{2}$ is the flower bed？

$$
18.25 \times 14=255.5
$$

$$
\text { Answer } \quad 255.5 \mathrm{~m}^{2}
$$

4 A gardener waters her flowerbed with II．4 L twice a day．How much water does the gardener need in one week？
d There are 7 days in a week．So，the gardener will water her
Math sentence
｜week $=7$ days
How many times does the gardener water her flowerbed？
2 （times）$\times 7$（days）$=24$（times）

$$
\begin{aligned}
11.4 \times 14= & 159.6 \\
& \underline{\text { Answer }} \quad 159.6 \mathrm{~L}
\end{aligned}
$$

|  |  | 1 | 1 | .4 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  | 1 | 4 |
|  |  | 4 | 5 | 6 |
| + | 1 | 1 | 4 |  |
|  | 1 | 5 | 9.6 |  |

5 My class collected 2.56 kg of empty cans cleaning our neighborhood．The entire school collected 25 times that amount How many kg did the entire school collect？

Math sentence
0.56
$\square 151$
$\square_{10}$


$$
2.56 \times 25=64
$$

$$
\text { Answer } \quad 64 \mathrm{~kg}
$$

|  |  | 2 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: |
| $\times$ |  |  | 2 | 5 |
|  | 1 | 2 | 8 | 0 |
| + | 5 | 1 | 2 |  |
|  | 6 | 4 | $Q$ | $Q$ |



1 Calculate the following．

2 The length is a bridge is 34 times longer than a 1.55 m measuring stick．How long is the bridge？

Math sentence
$1.55 \times 34=52.7$

$$
\text { Answer } \quad 52.7 \mathrm{~m}
$$

|  |  | 1. | 5 | 5 |
| ---: | ---: | ---: | ---: | :--- |
| $\times$ |  |  | 3 | 4 |
|  |  | 6 | 2 | 0 |
| + | 4 | 6 | 5 |  |
|  | 5 | 2. | 7 | $Q$ |

3 There are 28 canned fruits，each of which weighs 0.385 kg ． What is the total weight？

Math sentence

$$
0.385 \times 28=10.78
$$

Answer $\quad 10.78 \mathrm{~kg}$

|  | 0. | 3 | 8 | 5 |
| :---: | :--- | :--- | :--- | :--- |
| $\times$ |  |  | 2 | 8 |
|  | 3 | 0 | 8 | 0 |
| + | 7 | 7 | 0 |  |
| 1 | 0.7 | 8 | 0 |  |



Example We bought 3.6 L of tea．If we share this tea equally

18.4 L of tomato juice is separated equally into 4 bottles．How many $L$ does each bottle have？

## Math sentence

$$
8.4 \div 4=2.1
$$



2 A 9.6 m ribbon is cut into 3 equal pieces．How long is each piece？

Math sentence

$$
9.6 \div 3=3.2
$$



3 Calculate the following division problems

| （1） | $4.8 \div 4=1.2$ | （2） $3.3 \div 3=1.1$ | （3） $6.8 \div 2=$1.4 <br> （4） $9.6 \div 3=3.2$ |
| :--- | :--- | :--- | :--- |
|  | （5） | $8.2 \div 2=4.1$ | （6） $6.9 \div 3=2.3$ |

（2） $3.3 \div 3=1.1$
（5） $8.2 \div 2=4.1$
（3） $6.8 \div 2=3.4$

## Page 138•139



Calculate the following by using the division algorithm．

（5） $8.4 \div 6$
（6） $9.2 \div 4$
（7） $8.5 \div 5$
（8） $9.6 \div 8$
（9） $6.4 \div 4$
（10） $7.6 \div 2$
（11） $9.8 \div 7$
（12） $6.5 \div 5$

| （5） | 1.4 | （6） | 2.3 | （7） | 1.7 | 8 | 1.2 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 9 | 1.6 | $(10$ | 3.8 | （11） | 1.4 | （12） | 1.3 |

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Calculate the following by using the division algorithm．
（1） $15.4 \div 7$
（2） $23.5 \div 5$
（3） $11.4 \div 6$

|  |  | 1 | .9 |
| :---: | :---: | :---: | :---: |
| 6 | 1 | 1 | .4 |
| - |  | 6 |  |
| - |  | 5 | 4 |
| - |  | 5 | 4 |
| - |  |  | 0 |

（4） $27.2 \div 4$



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Calculate the following by using the division algorithm．


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Calculate the quotient to the ones place and find the remainder． Then check your answer．


$\qquad$ （4） $74.8 \div 26$ $=2 \mathrm{R} 22.8$ | 2 | 6 |
| :--- | :--- | :--- | :--- |
| 2 | 4 |

$\qquad$

Calculate the following division problems until these are divided completely．

| 1） $7.4 \div 5$ |  |  |  | （2） $1.38 \div 4$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 4 | 8 |  | 0 | 3 | 4 | 5 |
| 5 | $) 7$ | 4 | 0 | 4 | $) 1$ | 3 | 8 | 0 |
| － | 5 |  |  | － | 1 | 2 |  |  |
|  | 2 | 4 |  |  |  | ｜ | 8 |  |
| － | 2 | 0 |  | － |  | ｜ | 6 |  |
|  |  | 4 | 0 |  |  |  | 2 | 0 |
| － |  | 4 | 0 | － |  |  | 2 | 0 |
|  |  |  | 0 |  |  |  |  | 0 |

（3） $1.71 \div 6$
（2） $16.31 \div 35$
（5） $16.47 \div 54$（6） $34.34 \div 68$
$\begin{array}{ll}\text {（7）} 84.5 \div 26 & \text {（8）} 36.9 \div 18 \\ \text {（9）} 9 \div 75 & \text {（10）} 3 \div 25\end{array}$
To solve the problems（1）and（1），we must put two 0 ＇s like＂ 9.00 ＂and＂ 3.00 ＂respectively．

| 3 | 0.285 | 4 | 0.466 | 5 | 0.305 | 6 | 0.505 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 7 | 3.25 | 8 | 2.05 | 9 | 0.12 | 10 | 0.12 |



1 There is 7.3 L of orange juice．If we share it equally among 6 people，how much juice does each person get？Round the answer to a tenth of a L ．
Math sentence

$$
7.3 \div 6=1.2 \lambda
$$

Answer Approximately 1.2 L


2 Calculate the following．Round the quotient to the tenths place．



1 We have 6.6 kg of rice．We divide the rice equally into 12 bags．What will the weight be of each bag of rice？


2 We have 46.5 m of ribbon．If we cut 4 m long pieces from this ribbon，how many pieces can we get？How long is the remaining piece of ribbon？


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－Example I have a red tape and a blue tape．The red tape is 5 m long and the blue tape is 8 m long．How many
 times more chocolate does my friends have compared to me？ Math sentence

$$
10 \div 5=2
$$



2 I have 5 chocolates．Another friend of mine has 7 chocolates． How many times more chocolate does my friends have compared to me？
Math sentence

$$
\overline{7 \div 5}=1.4
$$



I have 5 chocolates．My b times more chocolates does my friends have compared to me？ Math sentence

$$
5 \div 5=1
$$



4 I have 5 chocolates．My sister has 2 chocolates．How many times more chocolates does my sister have compared to me？ Math sentence

$$
2 \div 5=0.4
$$




1 Calculate the following division problems by using the division algorithm．
1） $11.4 \div 6$ （2） $12.8 \div 4$
（3） $0.8 \div 4$ （4） $7.2 \div 9$

|  | 0.8 |  |
| :---: | :---: | :---: |
| 9 | 7. | 2 |
| - | 7 | 2 |
|  |  | 0 | |  |  | 1 | .9 |
| :---: | :---: | :---: | :---: |
| 6 | 1 | 1 | .4 |
| - |  | 6 |  |
|  |  | 5 | 4 |
| - |  | 5 | 4 |
|  |  |  | 0 |



（5） $90.1 \div 17$（6） $39.9 \div 21$（7） $98.7 \div 47$（8） $89.6 \div 28$ （9） $9.63 \div 45$（10） $54.99 \div 13$（11） $0.133 \div 7$（12） $1.664 \div 8$

| （1） | 1.9 | （2） | 3.2 | ③ | 0.2 | （4） | 0.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| （3） | 5.3 | © | 1.9 | （1） | 2.1 | 8 | 3.2 |
| （9） | 0.214 | （1） | 4.23 | （11 | 0.019 | （12 | 0.208 |

2 There is 21.5 L of lemonade．If we share it equally among 9 children，how many L can each child get？Round the answer to the nearest tenth of a $L$ ． Math sentence
$21.5 \div 9=2.38$ Answer Approximately 2.4 L
3 I bought 8 new books．My older sister bought 12 new books． How many times more books did my sister buy compared to me？ Math sentence

$$
12 \div 8=1.5 \quad \text { Answer } \quad 1.5 \text { times }
$$

4 I have 19.5 L of ice tea．If we share it equally among 15 people，how much ice tea does each person get？ Math sentence
$19.5 \div 15=1.3$ Answer $\qquad$

## Page 150－151



With the cuboid and the cube on the right，answer the following questions．
（1）How many faces are there？

$$
\text { Cuboid } 6 \text { Cube } 6
$$

（2）How many vertexes are there？

$$
\text { Cuboid } 8 \text { Cube } 8
$$

（3）How many kinds of edge lengths are there？ Cuboid 3 Cube 1


The figure on the right shows a cube．Answer the following questions．
（1）Which edges are perpendicular to edge CG？


2 Which edges are parallel to edge EF？

| $\begin{array}{c}A B, H G \\ (B A, ~ \text { and } D C \\ \text {（ and } C D)\end{array}$ |
| :---: |
| Which faces are parallel to face $c$ ？ |



4 Which edges are perpendicular to face $a$ ？


5 Which edges are parallel to face $d$ ？
AE，AD，DH，and EH
（EA，DA，HD，and HE）


1 Which net can form a cube？Fold the dotted lines and make


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1 Finish drawing the net of the cuboid on the right．


2．Draw a net of this cube on graph paper．


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1 We are going to make a cuboid by folding the net below．


2 Colour the face opposite the marked face．
0
（2）


3


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Finish drawing the sketch of the cuboid as shown below． 1

（2）


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1 On the grid paper shown below，the length and width axes are numbered．Point A is represented as（I and 3）

（1）How can you represent the position of
Point B？
2 The position of Point D is：（5 and 2）． Draw Point $D$ in the figure on the left．

2 On the grid paper shown below，the length and width axes are numbered．Point A is represented as（I and 4）．


How can you repre Point B and Point C ？

|  | Point B |
| :--- | :--- |
|  | （6 and 4） |
| Point C | （2 and I） |

2 The position of Point $D$ is：（4 and 6）． Draw Point D in the figure on the left．
3 Draw the following points in order and connect them with lines． Point $\mathrm{A}(1$ and 4$) \rightarrow$ Point $\mathrm{B} \rightarrow$ Point $\mathrm{C} \rightarrow$ Point $\mathrm{D}(4$ and 6$) \rightarrow(5$ and 1$) \rightarrow$ Point $A$


The position of the doughnut is । width， 2 length，and 2 height．We express the position as（1，2，2）．

（2）What item is in position $(I, I, 2)$ ？
Banana
（3）What item is in position $(4,0,0)$ ？


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1 Fill in the blank with the name of the figures
（1）
2

3



2 Finish drawing the net of the cuboid on the right



3 Which net can form a cube？Fold the dotted lines and make cubes．


4 Colour the face opposite of the marked face．
（1）

（3）


5 Finish drawing the sketch of the cube as shown below．
（1）


6 On the grid paper，the length and width axes are numbered Point A is represented as（2 and I）．

（1）How can you represent the positions of Point $B$ and Point $C$ ？

$$
\begin{array}{ll}
\text { Point } B & (8 \text { and } 1) \\
\text { Point } C & (5 \text { and } 9)
\end{array}
$$

2 The position of Point $D$ is：（5 and 4）．Draw Point $D$ in the figure on the left．
（3）Draw the following points in order and connect them with lines． Point $A(2$ and I$) \rightarrow$ Point $\mathrm{B} \rightarrow(8$ and 7$) \rightarrow$ Point $\mathrm{C} \rightarrow(2$ and 7$)$ $\rightarrow$ Point $A \rightarrow(8$ and 7$) \rightarrow(2$ and 7$) \rightarrow$ Point $B$

7 The position of the bicycle is｜width，｜length，and｜height We express the position as $(2,1,2)$ ．


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## Page 162•163



Change the following improper fractions into mixed numbers or whole numbers


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Change the following mixed numbers into improper fractions．

（5） $2 \frac{4}{7} \quad 7 \times 2+4=18 \quad$（6） $4 \frac{3}{8} \quad 8 \times 4+3=35$

（9） $4 \frac{1}{6} \quad 6 \times 4+1=25$（10） $6 \frac{2}{3} \quad 3 \times 6+2=20$


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Use an inequality symbol（＜or＞）to express the relationship between the two numbers．
（1）$\frac{8}{3} \longrightarrow>2 \frac{1}{3}$
（2）$\frac{23}{4} \longrightarrow>\frac{1}{4}$
（3）$\frac{23}{7} \quad<\frac{3}{7}$
（4）$\frac{30}{6} \longrightarrow>\frac{5}{6}$
（4）$\frac{16}{5}<3 \frac{2}{5}$
（6）$\frac{22}{9} \gg 2 \frac{2}{9}$
（7）$\frac{27}{8} \longrightarrow 3 \frac{1}{8}$
（8）$\frac{26}{3} \quad<\frac{1}{3}$
（9）$\frac{15}{2} \longrightarrow>\frac{1}{2}$
（10）$\frac{45}{7} \quad<\frac{4}{7}$

Put the numbers in the（ ）in order from the largest to smallest．


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Look at the number line above and answer the following questions．
（1）Find the fractions that are equal in size to $\frac{1}{4}$ ．$\frac{2}{8}$

（2）Find four fractions that are equal in size to $\frac{1}{2} \cdot$| $\frac{2}{4}$ | $\frac{3}{6}$ | $\frac{4}{8}$ | $\frac{5}{10}$ |
| :--- | :--- | :--- | :--- |

（3）Find the fractions that are equal in size to $\frac{2}{3}$ ．$\quad \frac{4}{6} \quad \frac{6}{9}$
（4）Which is greater，$\frac{1}{6}$ or $\frac{1}{7}$ ？

（5）Which is greater，$\frac{3}{5}$ or $\frac{5}{9}$ ？



It is fine that the answer will be either improper fraction or mixed number．
1 I have two pieces of tape．One is $\frac{4}{7} \mathrm{~m}$ long and the other is
$\frac{6}{7} \mathrm{~m}$ long．How long is the total length of both pieces together？
Math sentence $\quad \frac{4}{7}+\frac{6}{7}=\frac{10}{7}$

$$
\text { Answer } \quad \frac{10}{7} \mathrm{~m} \text { or } 1 \frac{3}{7} \mathrm{~m}
$$

2 Calculate the following addition problems．
$\begin{array}{ll}\text {（1）} \frac{2}{3}+\frac{2}{3}=\frac{4}{3} \text { or } 1 \frac{1}{3} & \text {（2）} \frac{5}{7}+\frac{6}{7}=\frac{11}{7} \text { or } 1 \frac{4}{7} \\ \text {（3）} \frac{11}{5}+\frac{3}{5}=\frac{14}{5} \text { or } 2 \frac{4}{5} & \text {（4）} \frac{7}{4}+\frac{5}{4}=\frac{12}{4} \text { or } 3 \\ \text {（5）} \frac{14}{9}+\frac{3}{9}=\frac{17}{9} \text { or } 1 \frac{8}{9} & \text {（6）} \frac{15}{6}+\frac{5}{6}=\frac{20}{6}, \frac{10}{3} \text { or } 3 \frac{2}{3}\end{array}$
$\qquad$


1 Calculate the following addition problems．


2 Calculate the following addition problems．


3 Calculate the following addition problems．
（1） $2+3 \frac{1}{2}=5 \frac{1}{2}$ or $\frac{11}{2} \quad$（2） $1+2 \frac{3}{5}=3 \frac{3}{5}$ or $\frac{18}{5} \quad$（3）$\frac{5}{8}+3=4 \frac{5}{8}$ or $\frac{37}{8}$


1 I have a $\frac{11}{7} \mathrm{~m}$ red tape and $\frac{6}{7} \mathrm{~m}$ white tape．How many more metres of red tape do I have？
Math sentence $\quad \frac{11}{7}-\frac{6}{7}=\frac{5}{7} \quad$ Answer $\quad \frac{5}{7} \mathrm{~m}$

2 Calculate the following subtraction problems．
（1）$\frac{10}{7}-\frac{4}{7}=\frac{6}{7}$
（3）$\frac{13}{9}-\frac{8}{9}=\frac{5}{9}$
（5）$\frac{14}{5}-\frac{7}{5}=\frac{7}{5}$ or $1 \frac{2}{5}$
（1）$\frac{8}{3}-\frac{4}{3}=\frac{4}{3}$ or $1 \frac{1}{3}$
（2）$\frac{11}{3}-\frac{4}{3}=\frac{7}{3}$ or $2 \frac{1}{3}$
（4）$\frac{9}{7}-\frac{5}{7}=$ $\qquad$
（6）$\frac{10}{9}-\frac{5}{9}=\frac{5}{9}$
（8）$\frac{7}{5}-\frac{4}{5}=\frac{3}{5}$

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1 Calculate the following subtraction problems．
（1） $4 \frac{4}{7}-1 \frac{1}{7}=3 \frac{3}{7}$ or $\frac{24}{7}$（2） $6 \frac{3}{5}-4 \frac{2}{5}=2 \frac{1}{5}$ or $\frac{11}{5}$（3） $5 \frac{2}{3}-4 \frac{1}{3}=1 \frac{1}{3}$ or $\frac{4}{3}$
－Example 2 Calculate $2 \frac{1}{5}-\frac{4}{5}$
Make the fractional part of the mixed number an improper fraction by re－ grouping and then calculate．


2 Calculate the following subtraction problems．
（1） $2 \frac{2}{5}-\frac{4}{5}=1 \frac{3}{5}$ or $\frac{8}{5}$（2） $2 \frac{1}{3}-\frac{2}{3}=1 \frac{2}{3}$ or $\frac{5}{3}$（3） $3 \frac{2}{7}-1 \frac{6}{7}=1 \frac{3}{7}$ or $\frac{10}{7}$
－Example 3 Calculate $2-\frac{1}{3}$


3 Calculate the following subtraction problems．
（1） $2-\frac{4}{5}=1 \frac{1}{5}$ or $\frac{6}{5} \quad$（2） $3-\frac{2}{7}=2 \frac{5}{7}$ or $\frac{19}{7} \quad$（3） $5-2 \frac{3}{10}=2 \frac{7}{10}$ or $\frac{27}{10}$
$15-12$ Fractions $^{5} \quad$ Review

1 What fractions are represented by the tick marks labeled（1）， （2）and（3）If the fraction is greater than 1 ，express it as an improper fraction and as a mixed number．


2 Write the fractions in the（）in order from the largest to smallest．


3 Calculate the following problems
（1）$\frac{2}{5}+\frac{4}{5}$（2）$\frac{2}{9}+3 \frac{5}{9}$（3） $1 \frac{7}{9}+3 \frac{4}{9}$（4） $1 \frac{2}{3}+\frac{2}{3}$
（5） $2+\frac{5}{6}$（6）$\frac{6}{7}-\frac{5}{7}$（1） $5 \frac{4}{5}-3 \frac{3}{5}$（8） $7 \frac{1}{3}-5 \frac{2}{3}$
$\begin{array}{llll}\text {（9）} 4 \frac{3}{5}-\frac{4}{5} & \text {（1）} 3 \frac{5}{9}-\frac{7}{9} & \text {（11）} 2-\frac{7}{8} & \text {（1）} 3-1 \frac{4}{9}\end{array}$

| （1） | $\frac{6}{5}$ or $1 \frac{1}{5}$ | （2） | $4 \frac{7}{9}$ or $\frac{43}{9}$ | （3） | $5 \frac{2}{9}$ or $\frac{47}{9}$ | （4） | $2 \frac{1}{3}$ or $\frac{7}{3}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| （5） | $2 \frac{5}{6}$ or $\frac{17}{6}$ | （6 | $\frac{1}{7}$ | （1） | $2 \frac{1}{5}$ or $\frac{11}{5}$ | 8 | $1 \frac{2}{3}$ or $\frac{5}{3}$ |
| （9 | $3 \frac{4}{5}$ or $\frac{19}{5}$ | （10） | $2 \frac{7}{9}$ or $\frac{25}{9}$ | （1） | $1 \frac{1}{8}$ or $\frac{9}{8}$ | （12 | $1 \frac{5}{9}$ or $\frac{14}{9}$ |



## Page 174•175



## Change \＆Relation

Entire Grade－4 Review（3）
（1）I read 15 pages of 240－page book every day．Let＇s answer the following questions．
（1）Summarize the relationship between the number of read pages and number of remaining pages in a table．

| Number of read pages | 15 | 30 | 45 | 60 | 75 | 90 | 105 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


| Number of remaining pages | 225 | 210 | 195 | 180 | 165 | 150 | 135 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| （2）If the number of read increase by 15 cm ，how does the number |
| :--- |
| of remaining pages change？ |
| Decrease by 15 cm |

（3）Looking at the table and let＇s make a math sentence that the number of read pages is $\bigcirc$ pages and number of remaining pages is $\square$ pages．
$240-\bigcirc=\square$
（4）If the number of read page is 150 pages，what is the number of remaining pages？

90 pages
2 We ride a bus．The bus goes 40 km par an hour．
（1）Summarize the relationship between the hour and distance to go in a table．

| Hour | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | $\cdots$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Distance to $\mathrm{go}(\mathrm{km})$ | 0 | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | $\cdots$ |


| Distance to go（km） | 0 | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 320 | $\ldots$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

（3）Looking at the table and let＇s make a math sentence that the hour is hour and the distance to go is $\square \mathrm{km}$
$40 \times \bigcirc=\square$
（4）If you ride the bus 6 hours，how many km you can go？
240 km
（5）My sister live in the village 140 km away from my house．How many hours will it take to get to my sister＇s village by this bus？
3.5 hours

3 There are the potato in the shops．I kg cost 300 zeds
（1）Summarize the relationship between the kg of potato and price in a table．

| Kg of potato | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


（2）Look at the table and draw a graph．


3）If the kg of potato increase by $\mid \mathrm{kg}$ ，how does the price change？

Increase by 300 zeds
4 Looking at the table and let＇s make a math sentence that the kg of potato is $\bigcirc \mathrm{kg}$ and price is $\square$ ．
（5）If we buy 10 kg of potatoes，what is the price？
6．If the price is 2700 zeds，how many kg of potatoes did you buy？

（7）If you buy 2.5 kg of potatoes，how many kg of potatoes can | you buy？ 750 zeds |
| :--- | :--- |

8 If you have 450 zeds，how many kg of potatoes can you buy？

## Page 178－179


（1）In which month was the temperature highest？How much was
it？ Month：September，October Temperature： $28{ }^{\circ} \mathrm{C}$ （2）In which month was the temperature lowest？How much was Month：$\quad$ February Temperature： $20{ }^{\circ} \mathrm{C}$
3 In which month was the number of rainy days most？How many days were there？
Month： $\square$ Rainy Days $\square$

4．If you have to sow seeds before rain，in which month is the most appropriate？

## June

2 A teacher planned to have an online lesson and investigated if his classmates had PCs or smartphones．The following information was gathered．
－ 24 children have PCs．
－I। children have PCs and smartphones．
－ 8 children have smartphones but no PCs．
－ 18 children do not have smartphones．
－A boy＇s class has 37 children．
（1）Fill in the blank of the table with the numbers of children you know．

（2）How many children do not have neither PCs nor smartphones？
（3）How many children only have PCs？

4．How many children do not have PCs？

How many children have smartphones？



[^0]:    1 There are 70 pieces of candy．If every child gets 20 pieces， how many children will get candy？How many pieces of candy will be left over？Solve and check your work
    

    Check $20 \times 3+10=70$
    2 A 500 cm ribbon is cut into 40 cm pieces．How many 40 cm pieces can we make？How many cm of ribbon will be left over？ Solve and check your work．

    | Original |
    | :---: |
    | ribbon |
    | $\substack{40 \mathrm{~cm} \\ \underbrace{}_{1}}$ |

    
    $500 \div 40=12 R 20$
    Answer 12 R 20
    12 pieces of ribbon with 20 cm of ribbon left over．
    Check $40 \times 12+20=500$

