

# MATHEMATICS

## WORKBOOK

4A

### Answer Key

Name

KYOIKUDOJINSHA

## 2 Review(1)



- |                 |                    |
|-----------------|--------------------|
| ① 105           | ② 932              |
| ③ 6048          | ④ 12728            |
| ⑤ 15 R3         | ⑥ 123              |
| ⑦ 124 R5        | ⑧ 64 R7            |
| ⑨ 0.9           | ⑩ 1.6              |
| ⑪ 0.3           | ⑫ 0.6              |
| ⑬ $\frac{7}{9}$ | ⑭ $1(\frac{5}{5})$ |
| ⑮ $\frac{4}{8}$ | ⑯ $\frac{2}{7}$    |
| ⑰ 20            | ⑱ 80               |

## 3 Review(2)

1

- ① 7,000,000
- ② 7,090,600
- ③ 250,000
- ④ 8.5
- ⑤  $\frac{4}{7}$

2

- ⑥ 2, 750
- ⑦ 4098
- ⑧ 2, 30

3

- ⑨ isosceles triangle
- ⑩ 4cm

## 4 ① The System of Large Numbers

1

- ① 2
- ② hundred millions or 100,000,000
- ③ billion or 1,000,000,000
- ④ one billion, twenty-eight million, seven hundred forty thousand

2

- ⑤ one hundred twenty-five million
- ⑥ forty-seven billion, ninety-eight million, sixty thousand
- ⑦ two hundred forty-three billion, one hundred seventy-seven million
- ⑧ eight hundred billion, two hundred million, fifty thousand

**5** ① The System of Large Numbers**1**

① billions

② 9

③ 100

④ 0

**2**

⑤ 834,476,151

⑥ 272,385,111,222

⑦ 27,030,200

⑧ 30,300,013,000

**6** ① The System of Large Numbers**1**

① 120,000,000

② 3,000,000,000

③ 40,000,000,000

④ 780,000,000,000

⑤ 51,000,000

⑥ 24,000,000

⑦ 84,000,000,000

⑧ 500,000,000

**2**

⑨ 102,345,678

⑩ 987,654,321

**7** ② Multiplication**1**

①

$$\begin{array}{r} 246 \\ \times 712 \\ \hline 492 \\ 246\phantom{0} \\ 1722\phantom{00} \\ \hline 175152 \end{array}$$

②

$$\begin{array}{r} 850 \\ \times 437 \\ \hline 5950 \\ 2550\phantom{0} \\ 3400\phantom{00} \\ \hline 371450 \end{array}$$

**2**

③ 80454

④ 300840

⑤ 364908

⑥ 139995

⑦ 520990

⑧ 280368

**8** ② Multiplication**1**

①

$$\begin{array}{r} 843 \\ \times 207 \\ \hline 5901 \\ 1686\phantom{0} \\ \hline 174501 \end{array}$$

②

$$\begin{array}{r} 340 \\ \times 1800 \\ \hline 272 \\ 34\phantom{00} \\ \hline 612000 \end{array}$$

**2**

③

$$\begin{array}{r} 524 \\ \times 508 \\ \hline 4192 \\ 2620\phantom{0} \\ \hline 266192 \end{array}$$

④

$$\begin{array}{r} 442 \\ \times 703 \\ \hline 1326 \\ 3094\phantom{0} \\ \hline 310726 \end{array}$$

⑤

$$\begin{array}{r} 342 \\ \times 960 \\ \hline 2052 \\ 3078\phantom{0} \\ \hline 328320 \end{array}$$

⑥

$$\begin{array}{r} 120 \\ \times 3500 \\ \hline 60 \\ 36\phantom{00} \\ \hline 420000 \end{array}$$

⑦

$$\begin{array}{r} 4800 \\ \times 530 \\ \hline 144 \\ 240\phantom{0} \\ \hline 2544000 \end{array}$$

⑧

$$\begin{array}{r} 290 \\ \times 17000 \\ \hline 203 \\ 29\phantom{00} \\ \hline 4930000 \end{array}$$

**9** 1. Large Number**1**

① billions                      ② hundred billions

**2**

③ 304,005,000

④ 89,020,000,060

⑤ 125,087,000,000

⑥ 99,999,900

⑦ 6,000,000,000

⑧ 300,000,000

**3**

⑨ $  \begin{array}{r}  4300 \\  \times 260 \\  \hline  258 \\  86 \\  \hline  1118000  \end{array}  $	⑩ $  \begin{array}{r}  1800 \\  \times 52000 \\  \hline  36 \\  90 \\  \hline  93600000  \end{array}  $
---	---

**10** 2. Angles**1**

① b

② c

③ d

**2**

④ 180

⑤ 360

**11** 2. Angles**1**

① 55°

**2**

② 35°

③ 130°

④ 205°

⑤ 330°

**12** 2. Angles**1**

① 55°

② 125°

③ 55°

**2**

④ 120°

⑤ 75°

(90 + 30 = 120)

(30 + 45 = 75)

⑥ 15°

⑦ 60°

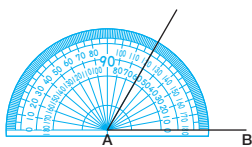
(60 - 45 = 15)

(90 - 30 = 60)

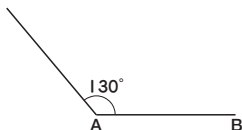
## 13 2. Angles

1

①

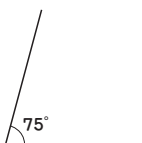


②

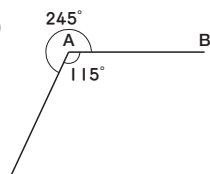


2

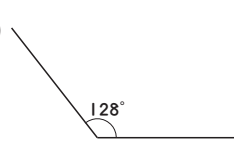
④



③



⑤



## 14 ① Dividing by a Multiple of 10

1

①  $12 \div 4, 3$

2

② 3

③ 6

④ 4

⑤ 6

3

⑥ 2 R10

⑦ 2 R20

⑧ 8 R30

⑨ 4 R10

## 15 ② Dividing by a Two-digit Number (I)

1

① ones

② 3

③

$$\begin{array}{r} \phantom{0}3 \\ 32 \overline{) 98} \\ \underline{96} \phantom{0} \\ \phantom{00}2 \phantom{0} \end{array}$$

2

④

$$\begin{array}{r} \phantom{0}2 \\ 42 \overline{) 87} \\ \underline{84} \phantom{0} \\ \phantom{00}3 \phantom{0} \end{array}$$

⑤

$$\begin{array}{r} \phantom{0}3 \\ 21 \overline{) 65} \\ \underline{63} \phantom{0} \\ \phantom{00}2 \phantom{0} \end{array}$$

⑥

$$\begin{array}{r} \phantom{0}3 \\ 12 \overline{) 36} \\ \underline{36} \phantom{0} \\ \phantom{00}0 \phantom{0} \end{array}$$

⑦

$$\begin{array}{r} \phantom{0}2 \\ 32 \overline{) 67} \\ \underline{64} \phantom{0} \\ \phantom{00}3 \phantom{0} \end{array}$$

⑧

$$\begin{array}{r} \phantom{0}2 \\ 43 \overline{) 87} \\ \underline{86} \phantom{0} \\ \phantom{00}1 \phantom{0} \end{array}$$

⑨

$$\begin{array}{r} \phantom{0}2 \\ 31 \overline{) 70} \\ \underline{62} \phantom{0} \\ \phantom{00}8 \phantom{0} \end{array}$$

3

$$\begin{aligned} \text{⑩ } 2 \times 31 + 23 &= 62 + 23 \\ &= 85 \end{aligned}$$

## 16 ② Dividing by a Two-digit Number (I)

◆

①

			5
12	)	62	
		60	
			2

②

$$\begin{array}{r} \phantom{0}3 \\ 12 \overline{) 41} \\ \underline{36} \phantom{0} \\ \phantom{00}5 \phantom{0} \end{array}$$

③

$$\begin{array}{r} \phantom{0}3 \\ 24 \overline{) 89} \\ \underline{72} \phantom{0} \\ \phantom{00}17 \phantom{0} \end{array}$$

④

$$\begin{array}{r} \phantom{0}6 \\ 13 \overline{) 78} \\ \underline{78} \phantom{0} \\ \phantom{00}0 \phantom{0} \end{array}$$

⑤

$$\begin{array}{r} \phantom{0}4 \\ 14 \overline{) 59} \\ \underline{56} \phantom{0} \\ \phantom{00}3 \phantom{0} \end{array}$$

⑥

$$\begin{array}{r} \phantom{0}2 \\ 23 \overline{) 65} \\ \underline{46} \phantom{0} \\ \phantom{00}19 \phantom{0} \end{array}$$

⑦

$$\begin{array}{r} \phantom{0}7 \\ 12 \overline{) 95} \\ \underline{84} \phantom{0} \\ \phantom{00}11 \phantom{0} \end{array}$$

⑧

$$\begin{array}{r} \phantom{0}4 \\ 14 \overline{) 68} \\ \underline{56} \phantom{0} \\ \phantom{00}12 \phantom{0} \end{array}$$

⑨

$$\begin{array}{r} \phantom{0}7 \\ 13 \overline{) 98} \\ \underline{91} \phantom{0} \\ \phantom{00}7 \phantom{0} \end{array}$$

⑩

$$\begin{array}{r} \phantom{0}5 \\ 14 \overline{) 76} \\ \underline{70} \phantom{0} \\ \phantom{00}6 \phantom{0} \end{array}$$

### 17 ② Dividing by a Two-digit Number(1)



① 
$$\begin{array}{r} 21 \overline{) 128} \\ \underline{42} \phantom{0} \\ 86 \\ \underline{84} \\ 2 \end{array}$$

② 
$$\begin{array}{r} 48 \overline{) 205} \\ \underline{96} \phantom{0} \\ 109 \\ \underline{96} \\ 13 \end{array}$$

③ 
$$\begin{array}{r} 32 \overline{) 239} \\ \underline{64} \phantom{0} \\ 175 \\ \underline{160} \\ 15 \end{array}$$

④ 
$$\begin{array}{r} 54 \overline{) 376} \\ \underline{108} \phantom{0} \\ 268 \\ \underline{270} \\ -2 \end{array}$$

⑤ 
$$\begin{array}{r} 69 \overline{) 498} \\ \underline{138} \phantom{0} \\ 360 \\ \underline{357} \\ 3 \end{array}$$

⑥ 
$$\begin{array}{r} 48 \overline{) 329} \\ \underline{96} \phantom{0} \\ 233 \\ \underline{240} \\ -7 \end{array}$$

⑦ 
$$\begin{array}{r} 62 \overline{) 310} \\ \underline{124} \phantom{0} \\ 186 \\ \underline{184} \\ 2 \end{array}$$

⑧ 
$$\begin{array}{r} 36 \overline{) 252} \\ \underline{72} \phantom{0} \\ 180 \\ \underline{180} \\ 0 \end{array}$$

⑨ 
$$\begin{array}{r} 24 \overline{) 219} \\ \underline{48} \phantom{0} \\ 171 \\ \underline{168} \\ 3 \end{array}$$

⑩ 
$$\begin{array}{r} 17 \overline{) 151} \\ \underline{34} \phantom{0} \\ 117 \\ \underline{119} \\ -2 \end{array}$$

### 18 ② Dividing by a Two-digit Number(1)



① 
$$\begin{array}{r} 17 \overline{) 69} \\ \underline{34} \\ 35 \\ \underline{35} \\ 0 \end{array}$$

② 
$$\begin{array}{r} 19 \overline{) 83} \\ \underline{38} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

③ 
$$\begin{array}{r} 26 \overline{) 90} \\ \underline{52} \\ 38 \\ \underline{38} \\ 0 \end{array}$$

④ 
$$\begin{array}{r} 36 \overline{) 79} \\ \underline{72} \\ 7 \end{array}$$

⑤ 
$$\begin{array}{r} 46 \overline{) 283} \\ \underline{92} \\ 191 \\ \underline{184} \\ 7 \end{array}$$

⑥ 
$$\begin{array}{r} 38 \overline{) 195} \\ \underline{76} \\ 119 \\ \underline{114} \\ 5 \end{array}$$

⑦ 
$$\begin{array}{r} 67 \overline{) 549} \\ \underline{134} \phantom{0} \\ 415 \\ \underline{402} \\ 13 \end{array}$$

⑧ 
$$\begin{array}{r} 26 \overline{) 205} \\ \underline{52} \\ 153 \\ \underline{152} \\ 3 \end{array}$$

⑨ 
$$\begin{array}{r} 17 \overline{) 156} \\ \underline{34} \phantom{0} \\ 122 \\ \underline{119} \\ 3 \end{array}$$

⑩ 
$$\begin{array}{r} 35 \overline{) 318} \\ \underline{70} \phantom{0} \\ 248 \\ \underline{245} \\ 3 \end{array}$$

### 19 ② Dividing by a Two-digit Number(1)

1

- ①  $76 \div 12 = 6 \text{ R}4$
- ② Each child will receive 6 cookies, and there will be 4 cookies left over.
- ②
- ③  $96 \div 24 = 4$
- ④ 4 pieces
- ③
- ⑤  $180 \div 37 = 4 \text{ R}32$
- ⑥ We will need 4 bags, and there will be 32 g left over.

### 20 ③ Dividing by a Two-digit Number(2)



① 
$$\begin{array}{r} 43 \overline{) 612} \\ \underline{129} \phantom{0} \\ 483 \\ \underline{483} \\ 0 \end{array}$$

② 
$$\begin{array}{r} 29 \overline{) 667} \\ \underline{58} \phantom{0} \\ 87 \\ \underline{87} \\ 0 \end{array}$$

③ 
$$\begin{array}{r} 27 \overline{) 951} \\ \underline{54} \phantom{0} \\ 411 \\ \underline{405} \\ 6 \end{array}$$

④ 
$$\begin{array}{r} 52 \overline{) 753} \\ \underline{104} \phantom{0} \\ 233 \\ \underline{208} \\ 25 \end{array}$$

⑤ 
$$\begin{array}{r} 37 \overline{) 925} \\ \underline{74} \phantom{0} \\ 185 \\ \underline{185} \\ 0 \end{array}$$

⑥ 
$$\begin{array}{r} 19 \overline{) 827} \\ \underline{38} \phantom{0} \\ 447 \\ \underline{436} \\ 11 \end{array}$$

⑦ 
$$\begin{array}{r} 42 \overline{) 504} \\ \underline{84} \phantom{0} \\ 164 \\ \underline{168} \\ -4 \end{array}$$

⑧ 
$$\begin{array}{r} 36 \overline{) 820} \\ \underline{72} \phantom{0} \\ 100 \\ \underline{108} \\ -8 \end{array}$$

**21** ③ Dividing by a Two-digit Number(2)**1**

- ① ● the (second) highest place  
● the (hundreds) place

**2**

$$\begin{array}{r} \textcircled{2} \quad 21 \overline{) 4929} \\ \underline{42} \phantom{00} \\ 72 \phantom{00} \\ \underline{63} \phantom{00} \\ 99 \phantom{00} \\ \underline{84} \phantom{00} \\ 15 \end{array}$$

$$\textcircled{3} \quad 23 \overline{) 5148} \\ \underline{46} \phantom{00} \\ 54 \phantom{00} \\ \underline{46} \phantom{00} \\ 88 \phantom{00} \\ \underline{69} \phantom{00} \\ 19 \end{array}$$

$$\textcircled{4} \quad 45 \overline{) 129} \\ \underline{45} \phantom{00} \\ 132 \phantom{00} \\ \underline{90} \phantom{00} \\ 424 \phantom{00} \\ \underline{405} \phantom{00} \\ 19 \end{array}$$

$$\textcircled{5} \quad 26 \overline{) 8216} \\ \underline{78} \phantom{00} \\ 41 \phantom{00} \\ \underline{26} \phantom{00} \\ 156 \phantom{00} \\ \underline{156} \phantom{00} \\ 0$$

$$\textcircled{6} \quad 47 \overline{) 183} \\ \underline{47} \phantom{00} \\ 392 \phantom{00} \\ \underline{376} \phantom{00} \\ 168 \phantom{00} \\ \underline{141} \phantom{00} \\ 27$$

$$\textcircled{7} \quad 24 \overline{) 246} \\ \underline{48} \phantom{00} \\ 110 \phantom{00} \\ \underline{96} \phantom{00} \\ 144 \phantom{00} \\ \underline{144} \phantom{00} \\ 0$$

**22** ③ Dividing by a Two-digit Number(2)**◆**

$$\textcircled{1} \quad \begin{array}{|c|c|c|c|} \hline & & 3 & 0 \\ \hline 2 & 7 & 8 & 3 & 3 \\ \hline & & 8 & 1 & \\ \hline & & & 2 & 3 \\ \hline \end{array}$$

$$\textcircled{2} \quad \begin{array}{|c|c|c|c|c|} \hline & & & 2 & 0 & 6 \\ \hline 3 & 5 & 7 & 2 & 2 & 9 \\ \hline & & 7 & 0 & & \\ \hline & & & 2 & 2 & 9 \\ \hline & & & 2 & 1 & 0 \\ \hline & & & & 1 & 9 \\ \hline \end{array}$$

$$\textcircled{3} \quad 41 \overline{) 845} \\ \underline{82} \phantom{00} \\ 25$$

$$\textcircled{4} \quad 19 \overline{) 30} \\ \underline{17} \phantom{00} \\ 13$$

$$\textcircled{5} \quad 23 \overline{) 40} \\ \underline{46} \phantom{00} \\ 17$$

$$\textcircled{6} \quad 65 \overline{) 106} \\ \underline{65} \phantom{00} \\ 423 \phantom{00} \\ \underline{390} \phantom{00} \\ 33$$

$$\textcircled{7} \quad 43 \overline{) 209} \\ \underline{86} \phantom{00} \\ 387 \phantom{00} \\ \underline{387} \phantom{00} \\ 0$$

$$\textcircled{8} \quad 29 \overline{) 130} \\ \underline{29} \phantom{00} \\ 88 \phantom{00} \\ \underline{87} \phantom{00} \\ 16$$

**23** ③ Dividing by a Two-digit Number(2)**1**

- ① tens place ( $19 < 58$ )  
② hundred place ( $38 < 69$ )  
③ tens place ( $64 > 32$ )

**2**

$$\textcircled{4} \quad 36 \overline{) 2952} \\ \underline{288} \phantom{00} \\ 72 \phantom{00} \\ \underline{72} \phantom{00} \\ 0$$

$$\textcircled{5} \quad 42 \overline{) 3080} \\ \underline{294} \phantom{00} \\ 140 \phantom{00} \\ \underline{126} \phantom{00} \\ 14$$

$$\textcircled{6} \quad 73 \overline{) 50} \\ \underline{36} \phantom{00} \\ 13$$

$$\textcircled{7} \quad 54 \overline{) 4389} \\ \underline{432} \phantom{00} \\ 69 \phantom{00} \\ \underline{54} \phantom{00} \\ 15$$

$$\textcircled{8} \quad 62 \overline{) 3534} \\ \underline{310} \phantom{00} \\ 434 \phantom{00} \\ \underline{434} \phantom{00} \\ 0$$

$$\textcircled{9} \quad 37 \overline{) 2244} \\ \underline{222} \phantom{00} \\ 24$$

$$\textcircled{10} \quad 58 \overline{) 2510} \\ \underline{232} \phantom{00} \\ 190 \phantom{00} \\ \underline{174} \phantom{00} \\ 16$$

Let's try these! ▶

- ① 77 R20    ② 45 R13  
③ 221 R32    ④ 50 R59  
⑤ 26 R15    ⑥ 200 R40

**24** ③ Dividing by a Two-digit Number(2)**1**

- ①  $689 \div 21 = 32 \text{ R}17$   
② Each student will receive 32, and there will be 17 pieces left over.

**2**

- ③  $6242 \div 36 = 173 \text{ R}14$   
④ We will need 173 bags and 14 pieces will be left over.

**3**

- ⑤  $7200 \div 18 = 400$   
⑥ 400 containers and nothing left over.

**25** ④ Different Ways to Divide**1**

- ① same  
② It does not change

**2**

- ③ 1                      ④ 3  
⑤ 5                      ⑥ 8

**3**

- ⑦ same  
⑧ It stays the same

**4**

- ⑨ 290                      ⑩ 2400

**26** ④ Different Ways to Divide**1**

- ① 2, dividend  
② ( )  
(○)

**2**

$$\begin{array}{r} \textcircled{3} \quad 24 \\ 300 \overline{) 7200} \\ \underline{6} \phantom{00} \\ 12 \phantom{0} \\ \underline{12} \phantom{0} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 6 \\ 450 \overline{) 2700} \\ \underline{270} \phantom{0} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 25 \\ 1200 \overline{) 30000} \\ \underline{24} \phantom{000} \\ 60 \phantom{00} \\ \underline{60} \phantom{00} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 12 \\ 800 \overline{) 9600} \\ \underline{8} \phantom{000} \\ 18 \phantom{00} \\ \underline{16} \phantom{00} \\ 200 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 12 \\ 600 \overline{) 7200} \\ \underline{6} \phantom{000} \\ 15 \phantom{00} \\ \underline{12} \phantom{00} \\ 300 \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 4 \\ 3000 \overline{) 12000} \\ \underline{120} \phantom{000} \\ 500 \end{array}$$

**27** 3. Division**1**

- ① 5                      ② 3 R10

**2**

$$\begin{array}{r} \textcircled{3} \quad 2 \\ 42 \overline{) 84} \\ \underline{84} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 2 \\ 23 \overline{) 46} \\ \underline{46} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad 7 \\ 14 \overline{) 98} \\ \underline{98} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 5 \\ 17 \overline{) 85} \\ \underline{85} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 6 \\ 54 \overline{) 324} \\ \underline{324} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad 9 \\ 43 \overline{) 387} \\ \underline{387} \\ 0 \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad 23 \\ 24 \overline{) 573} \\ \underline{48} \phantom{0} \\ 93 \phantom{0} \\ \underline{72} \phantom{0} \\ 21 \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 76 \\ 38 \overline{) 2916} \\ \underline{266} \phantom{0} \\ 256 \phantom{0} \\ \underline{228} \phantom{0} \\ 28 \end{array}$$

**28** 3. Division**1**

- ①  $80 \div 15 = 5 \text{ R}5$   
② 5 pieces

**2**

- ③  $296 \div 37 = 8$   
④ 8 pieces of candy

**3**

- ⑤  $328 \div 26 = 12 \text{ R}16$   
⑥ 12 pieces

**4**

- ⑦  $82 \times 7 + 16 = 590$   
 $590 \div 69 = 8 \text{ R}38$   
⑧ 8 R38

## 29 Check(1)

1

① 3,503,200,000

② 75,000,000

③ 9,999,999,900

2

④ 
$$\begin{array}{r} 13 \overline{) 91} \\ \underline{91} \\ 0 \end{array}$$

⑤ 
$$\begin{array}{r} 29 \overline{) 88} \\ \underline{87} \\ 1 \end{array}$$

⑥ 
$$\begin{array}{r} 57 \overline{) 431} \\ \underline{399} \\ 32 \end{array}$$

⑦ 
$$\begin{array}{r} 46 \overline{) 1782} \\ \underline{46} \\ 322 \\ \underline{322} \\ 0 \end{array}$$

⑧ 
$$\begin{array}{r} 38 \overline{) 2977} \\ \underline{266} \\ 317 \\ \underline{304} \\ 13 \end{array}$$

3

⑨  $72 \times 9 + 8 = 656$

$656 \div 27 = 24 \text{ R}8$

⑩ 24 R8

## 30 Sports Festival

1

$$\begin{array}{l} A \text{ } \boxed{\quad} 6 \\ B \text{ } \boxed{\quad} \end{array} \} 50$$

①  $50 - 6 = 44, 44 \div 2 = 22$  (A)

$22 + 6 = 28$  (B)

$$\left( \begin{array}{l} \text{or } 50 + 6 = 56, 56 \div 2 = 28 \text{ (B)} \\ 28 - 6 = 22 \text{ (A)} \end{array} \right)$$

② Group A 22 paper cranes

③ Group B 28 paper cranes

2

$$\begin{array}{l} \text{Sally } \boxed{\quad} 71 \\ \text{Sister } \boxed{39} \end{array} \} ?$$

④  $71 - 39 = 32$

$32 \div 2 = 16$

⑤ 16 sheets

## 31 Division tour

## 32 4. How to Organize Data

◆

① Weekly Record of Lost and Found

Item	Number of people
Handkerchiefs	III 3
Pencils	6
Erasers	4
Caps	1
Total	14

② pencils

③ Weekly Lost and Found Record (Items and Locations)

Items	Locations					Total
	Playground	Hallway	Classroom	Stairway		
Handkerchiefs	2	0	0	1	3	
Pencils	1	1	3	1	6	
Erasers	0	1	2	1	4	
Caps	1	0	0	0	1	
Total	4	2	5	3	14	

④ pencils, classroom



**33** 4. How to Organize Data

①

Dogs	Yes	8
	No	12
Cats	Yes	7
	No	13

②

		Dogs	
		Yes	No
Cats	Yes	3	4
	No	5	8

③ 3

④ 8

**34** ① Approximate Numbers

①

① 56,000

② 57,000

② ( In any order )

③ 169,037

④ 170,986

③

⑤ 30,000

⑥ 90,000

⑦ 180,000

⑧ 460,000

**35** ① Approximate Numbers

①

① 6300

② 4000

③ 25,000

④ 90,000

⑤ 330,000

⑥ 130,000

②

⑦ 45,000

⑧ 800,000

⑨ 9,900,000

⑩ 8,000,000

**36** ② Calculations with Approximate Numbers

①

① 77,000

② 23,000

②

③ 1,100,000

⑤ 1,170,000

④ 550,000

⑥ 270,000

③

⑦  $750,000 + 380,000 + 180,000 = 1,310,000$

⑧ 131 ten thousands

⑨  $750,000 - 180,000 = 570,000$ 

⑩ 57 ten thousands

**37** 5. Approximate Numbers**1**

- ① 4000                      ② 20,000  
 ③ 80,000                  ④ 90,000

**2**

- ⑤ 39,000                  ⑥ 90,000

**3**

- ⑦ 400,000                ⑧ 70,000  
 ⑨ 90,000

**4**

- ⑩ Yes ( $300 + 400 + 300 = 1000$ )

**38** 6. Line Graphs

◆

- ① time of day  
 ② temperature  
 ③  $1^{\circ}\text{C}$   
 ④ Time : 2p.m.  
     Temperature :  $27^{\circ}\text{C}$   
 ⑤ Between 11 o'clock and  
     12 o'clock

**39** 6. Line Graphs

◆

- ① 2p.m.  
 ② 1p.m.  
 ③ 12 o'clock  
 ④ 4.5 Degrees  
 ⑤ ground temperature

**40** 6. Line Graphs

◆

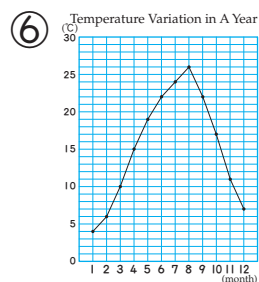
- ④ { Tim's Weight }  
 ② (kg)  
 ① 35  
 ① 30  
 ③  
 25  
 ① 0  
 1 2 3 4 5 6 7 (month) ②
- 
- ⑤ Between April and May

**41 Check (2)****1**

- ① 70,000  
 ② 1,100,000  
 ③ 360,000

**2**

- ④  $1000 + 3000 + 4000 = 8000$   
 ⑤ 8 thousands

**3**

- ⑦ Month : August  
 Temperature :  $26^{\circ}\text{C}$

**42** ① Calculations with Parentheses**1**

- ① 370  
 ② 430

**2**

- ③ 130                      ④ 880  
 ⑤ 666                      ⑥ 296  
 ⑦ 5                            ⑧ 6

**3**

- ⑨  $500 - (140 + 130)$   
 $= 500 - 270$   
 $= 230$   
 ⑩ 230yen

**43** ② Math Sentence with Multiplication and Division**1**

- ① 64  
 ② 36

**2**

- ③ 100                      ④ 520  
 ⑤ 20                        ⑥ 76  
 ⑦ 126                      ⑧ 420

**3**

- ⑨  $200 + 420 \div 2$   
 $= 200 + 210$   
 $= 410$   
 ⑩ 410yen

**44** ② Math Sentence with Multiplication and Division**1**

- ① 3  
 ② 10

**2**

- ③ 246                      ④ 108  
 ⑤ 5                         ⑥ 76  
 ⑦ 64                        ⑧ 24

**3**

- ⑨ +  
 ⑩  $\div$

**45** ③ Properties of Operations**1**

- ① 9  
② 90  
③ 50  
④ 90

**2**

- ⑤ 195                      ⑥ 195  
⑦ 20                        ⑧ 20

**46** ④ Relationships Between Operations**1**

- ①  $260 \div 4 (= 65)$  ②  $256 \div 32 (= 8)$   
③  $350 \div 7 (= 50)$  ④  $93 - 57 (= 36)$   
⑤  $64 - 29 (= 35)$  ⑥  $98 - 16 (= 82)$

**2**

- ⑦  $90 \times \square = 540$   
 $540 \div 90 = 6$   
⑧ 6 notebooks  
⑨  $\square + 15 = 60$   
 $60 - 15 = 45$   
⑩ 45 counters

**47** 7. Math Sentences and Their Calculations**1**

- ① 550  
② 8  
③ 160  
④ 390  
⑤ 62  
⑥ 240

**2**

- ⑦  $918 \div 27 (= 34)$   
⑧  $124 - 38 (= 86)$

**3**

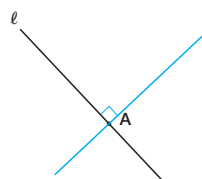
- ⑨  $70 \times 4 + 120 \times 3 = 640$   
⑩ 640yen

**48** ① Perpendicular and Parallel Lines**1**

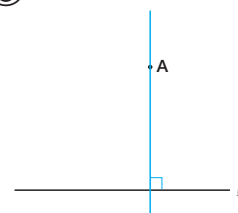
- ① perpendicular

**2** ( In any order )②  $n$ ③  $q$ **3**

④

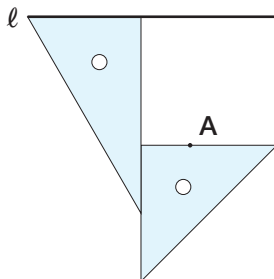
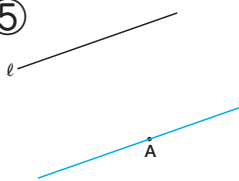


⑤



**49** ① Perpendicular and Parallel Lines**1**

① parallel

**2**②  $l, n$ **3**③  $2\text{cm}$ ④  $60^\circ$ **4****5****50** ② Trapezoids, Parallelograms, and Rhombuses**1**

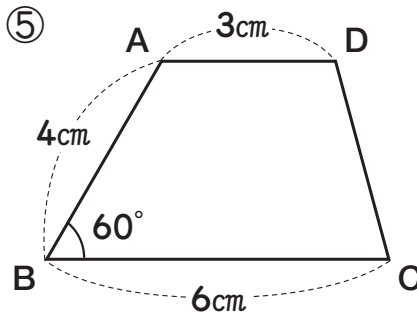
① I

② trapezoids

**2** ( In any order )

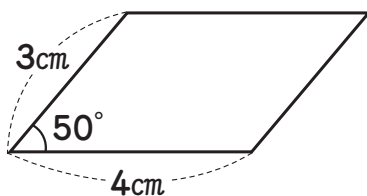
③ b

④ e

**3****5****51** ② Trapezoids, Parallelograms, and Rhombuses**1**

① equal

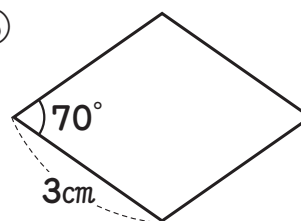
② equal

**2**③  $110^\circ$ ④  $4\text{cm}$ **3****5****52** ② Trapezoids, Parallelograms, and Rhombuses**1**

① 4

② parallel

③ equal

**2**④  $80^\circ$ ⑤  $4\text{cm}$ **3****6**

**53** ② Trapezoids, Parallelograms, and Rhombuses

**1**

① diagonal

**2**

 ②  $90^\circ$ 

( In any order )

③ BE

④ CE

⑤ DE

**3**

⑥ ○

⑦ ○

⑧ ×

⑨ ○

⑩ ×

**54** 8. Quadrilaterals

**1**

 ①  $m, n$ 

 ②  $o, p$ 
**2**

③ 10cm

④ 8cm

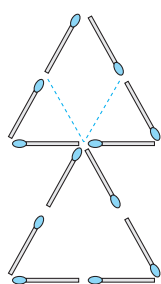
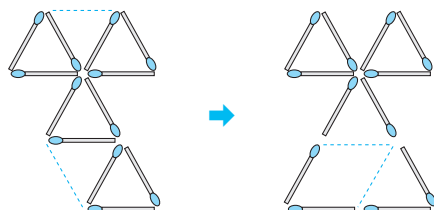
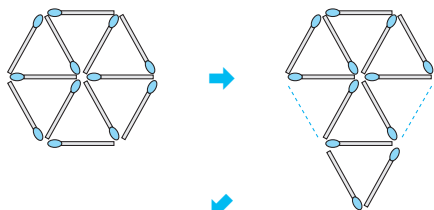
 ⑤  $50^\circ$ 

 ⑥  $130^\circ$ 
**3**

⑦ Rhombus

⑧ Trapezoid

⑨ Rectangle

**55** Matchstick Puzzles

**56** Check(3)

**1**

① 100

② 8

③ 2400

④ 200

**2**

 ⑤  $768 \div 64 (= 12)$ 

 ⑥  $125 - 39 (= 86)$ 
**3**

⑦ 6cm

 ⑧  $120^\circ$ 
**4**

⑨ Rhombus

⑩ Rectangle

