

P2B
蔡卓恩
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Modern Primary Mathematics

Second Edition

Workbook

2C



Modern Educational Research Society



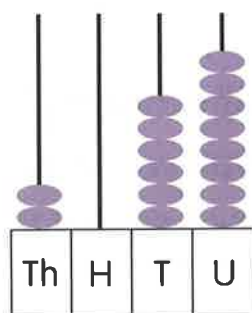
1 4-digit Numbers

Fill in the blanks.

①

The number shown by the abacus is 2068.

Read as: two thousand and sixty-eight



'2' is in the thousands place. It stands for 2000.

'0' is in the hundreds place. It stands for 0.

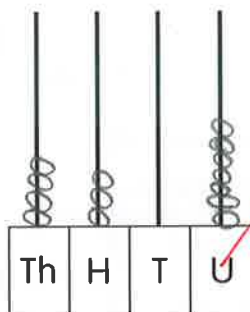
'6' is in the tens place. It stands for 60.

'8' is in the units place. It stands for 8.

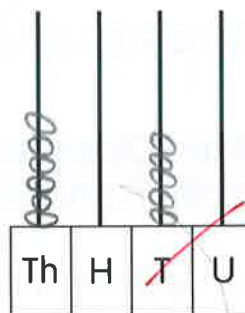
(two thousand and sixty-eight)

Look at the numbers and draw beads.

② 4307



③ 6050



Follow the patterns and write the numbers.

④ Counting onwards

7199, 7200, 7201, 7202, 7203, 7204

⑤ Counting backwards

9003, 9002, 9001, 9000, 8999, 8998

Circle the answers.

- ⑥ Which of the following are odd numbers?

9992

~~4513~~

6840

3068

~~5009~~

2794

~~8181~~

~~7727~~

Fill in the circles with '<' or '>'.

- ⑦ 4805 ☒ 8504

- ⑧ 7326 ☒ 7263

Follow the instructions to arrange the numbers below.

- ⑨ Arrange 7368, 3876, 8673 from the greatest to the smallest.

8673 > 7368 > ~~3876~~

- ⑩ Arrange 5827, 897, 5605, 6144 from the smallest to the greatest.

897 < 5605 < 5827 < ~~6144~~

Let's think and fill in the blanks.

- ⑪ The next odd number after 5699 is 5701.

- ⑫ Write an even number that is greater than 7077 and smaller than 7108.

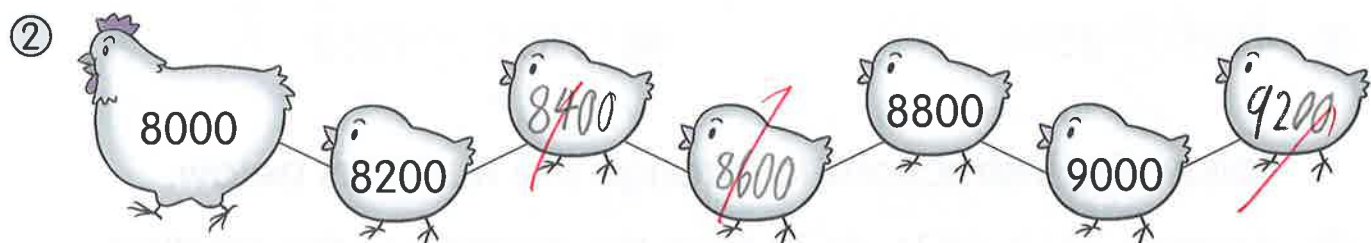
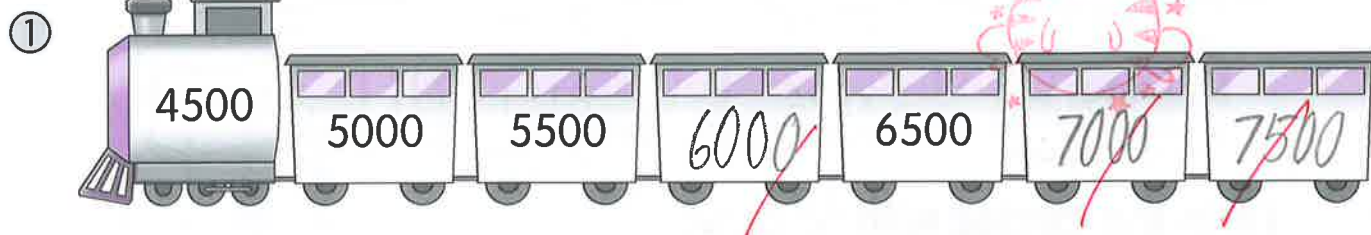
Answer: 7100

- ⑬ There is a 4-digit number. '0' is in its units place. The sum of the digits in the tens place and units place is 6. The difference between the digits in the tens place and hundreds place is 3. The digit in the thousands place is smaller than that in the tens place by 5. The 4-digit number is 1960.

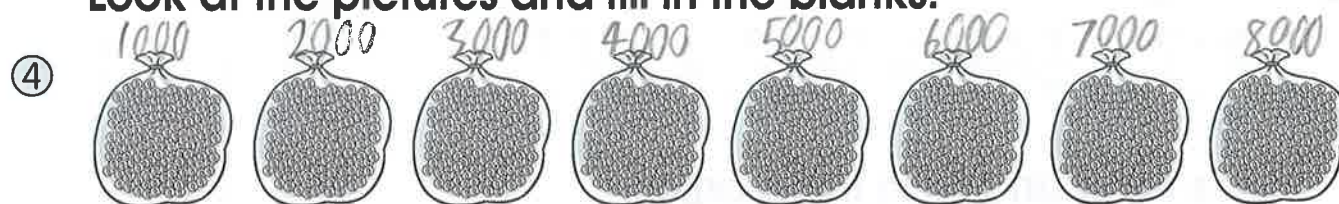
Date: 4th March, 2022Score: AK (1)

2 Counting Activity

Follow the patterns and fill in the blanks.

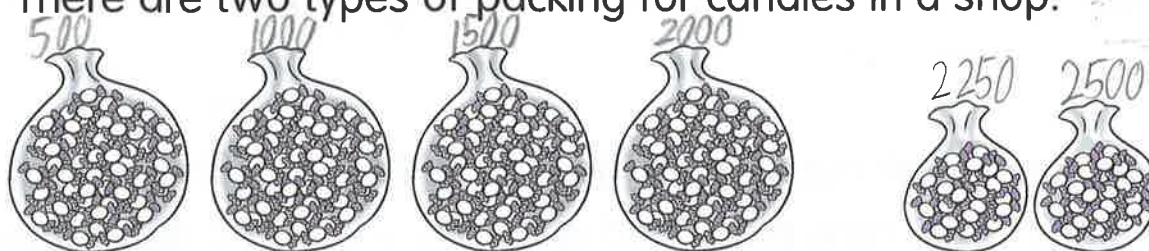


Look at the pictures and fill in the blanks.



Each bag contains 1000 marbles. Count in groups of 1000. There are 8000 marbles in total in the bags shown above.

⑤ There are two types of packing for candies in a shop.



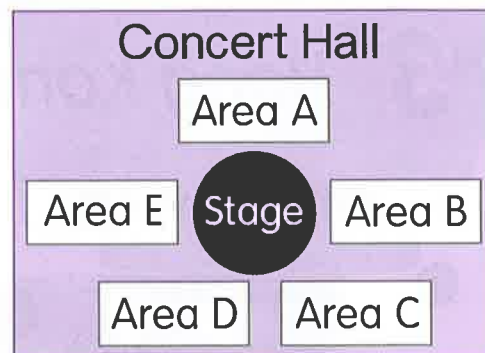
Each large bag contains
500 candies.

Each small bag contains
250 candies.

There are 2500 candies in total in the bags shown above.

Let's think and fill in the blanks.

- ⑥ ① There are 5 seating areas in a concert hall. Each area offers 200 seats. Count in groups of 200. There are 1000 seats in total.



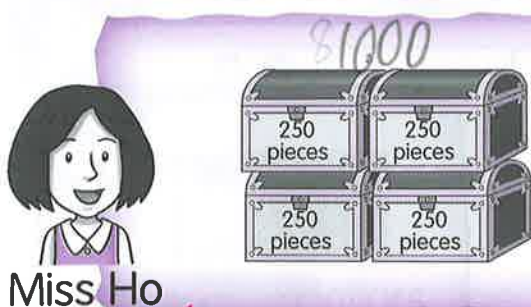
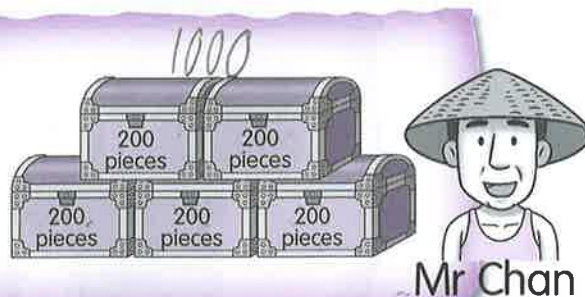
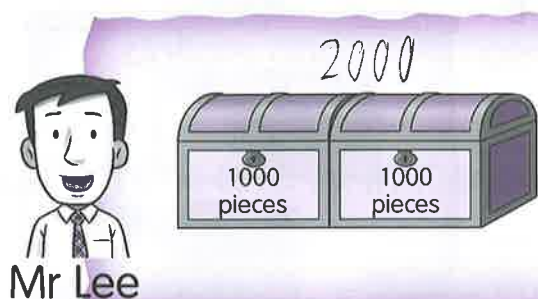
- ② Each area adds 50 seats due to popular demand. There are 50 seats in each area now. The total number of seats in the concert hall now is 1250. (Handwritten: $200 + 50$ and 250)

- ⑦ Each carton contains 500 Easter eggs. Happy Shop has 7 cartons and Funny Shop has 2 cartons less than Happy Shop. Count in groups of 500. Funny Shop has 2500 Easter eggs in total.



Look at the pictures and circle the answer.

- ⑧ The following pictures show the gold coins owned by each person.



(Mr Lee / Mr Chan / Miss Chu / Miss Ho) has the greatest number of gold coins.

3 Hong Kong Notes

Write the values.



_____ dollars



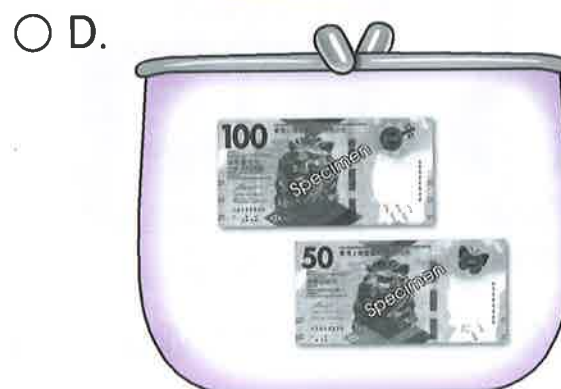
_____ dollars

Blacken the circle next to the correct answer.

③ How many different values do Hong Kong notes have?

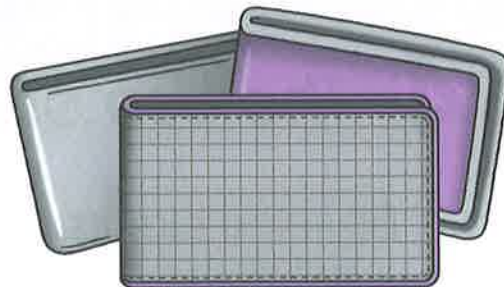
- ☐ A. 5 ☐ B. 6 ☐ C. 7 ☐ D. 8

④ Which of the following wallets has the note of the smallest value?



Write the total values.

⑤



_____ dollars

⑥



_____ dollars and _____ cents

⑦



_____ dollars and _____ cents

Let's think and fill in the blanks.

⑧



Kiki

I have 5



I have 2 more



than you.



Joe

Kiki has _____ dollars. Joe has _____ dollars.

Joe has _____ dollars more than Kiki.



4 The Use of Money

Fill in the blanks.

① 1  can be exchanged for _____ .

② 5  can be exchanged for _____ .

③ 1  can be exchanged for

_____  and _____ .

The following pictures show the prices of the teddy bear at three stores.

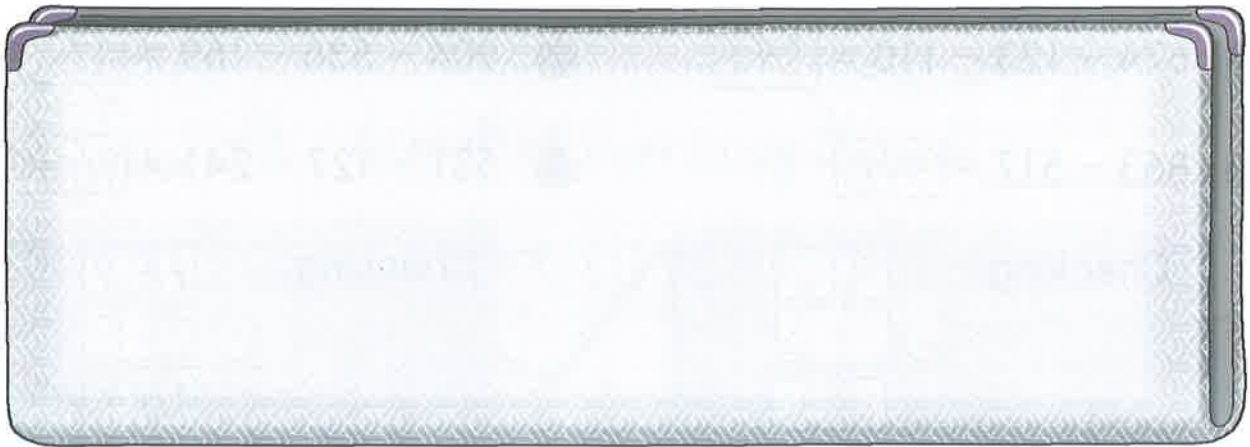


- ④ At KK Store, the price of the teddy bear is _____ dollars and _____ cents.
- ⑤ The price of the teddy bear at _____ Store is the most expensive. The price is _____.
- ⑥ Mum buys the teddy bear at the cheapest price. How much does she pay? Take out the money stickers from the Sticker Page and paste them below.

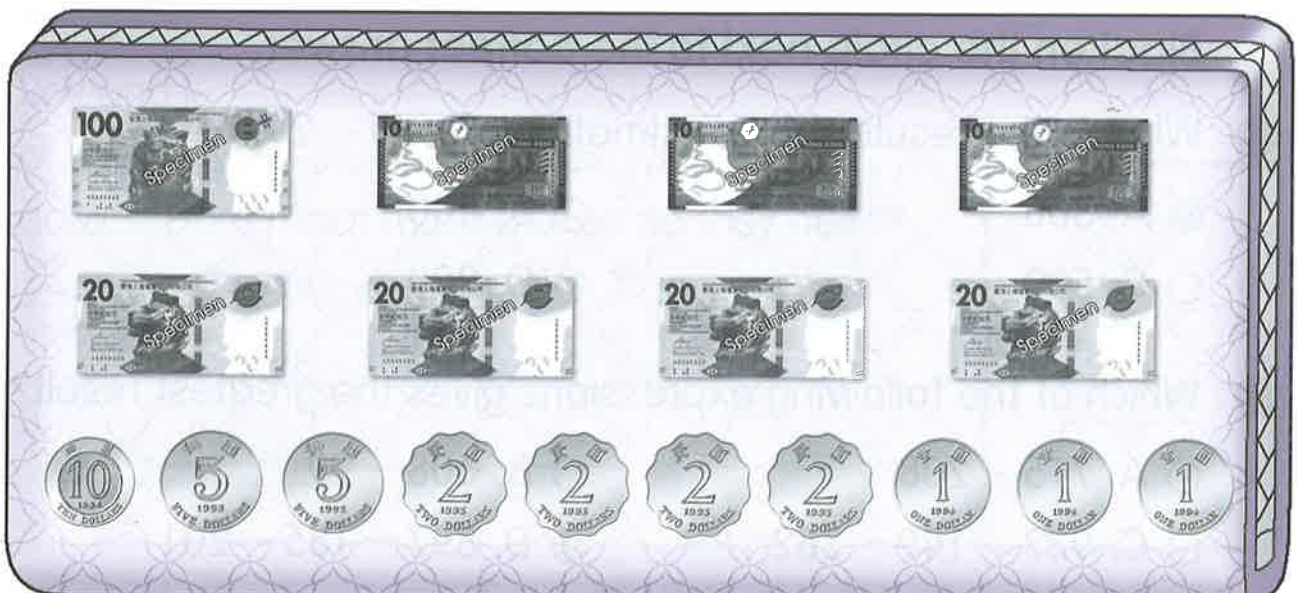
Answer the questions according to the information below.



- ⑦ Mr Wong joins a 2-day trip. He wants to pay with the fewest notes and coins. Take out the money stickers from the Sticker Page to pay the amount and paste them below.



- ⑧ Mr Ho joins a 1-day trip. He pays with 6 notes and 3 coins from the money below. Circle the notes and coins he pays.



Date: 21st March, 2022

Score: _____

5 Subtraction of 3-digit Numbers

Calculate.

①

$$\begin{array}{r} 597 \\ - 83 \\ \hline 514 \end{array}$$

②

$$\begin{array}{r} 777 \\ - 496 \\ \hline 281 \end{array}$$

③

$$\begin{array}{r} 943 \\ - 567 \\ \hline 376 \end{array}$$

④ $632 - 226 = 406$

⑤ $727 - 648 = 79$

⑥ $674 - 123 - 110 = 441$

⑦ $904 - 536 - 169 = 199$

⑧ $863 - 517 = 346$

⑨ $531 - 127 - 241 = 163$

Checking:

⑧

$$\begin{array}{r} 346 \\ + 517 \\ \hline 863 \end{array}$$

Checking:

⑨

$$\begin{array}{r} 163 \\ + 241 \\ \hline 404 \\ + 127 \\ \hline 531 \end{array}$$

Blacken the circle next to the correct answer.

⑩ What is the result of the estimation of '641 - 297'?

☒ A. 300☐ B. 400☐ C. 500☐ D. 200

⑪ Which of the following expressions gives the greatest result?

☐ A. $715 - 208 = 507$ ☐ B. $608 - 99 = 509$ ☐ C. $937 - 149 - 282 = 506$ ☒ D. $897 - 185 - 201 = 511$

Write the correct digits in .

12

$$\begin{array}{r} 78' 23' \boxed{7} \leftarrow 9+8 \\ - 5 \boxed{8} 9 \\ \hline \boxed{2} 4 8 \end{array}$$

$9+8=17$
 $12-4=8$

13

$$\begin{array}{r} 45 \boxed{3} 7 \leftarrow 8+4+1=13 \\ - 2 8 \boxed{8} \leftarrow 17-9 \\ \hline \boxed{2} 4 9 \end{array}$$

$8+4+1=13$
 $17-9=8$

C+2

Solve the following problems and show your working.

14

A red ribbon is 321 cm long. It is 108 cm longer than a yellow ribbon. How long is the yellow ribbon?

* length \Rightarrow cm as unit!

Length of the yellow ribbon:

~~$321 - 108$~~ yellow ribbon:
The yellow ribbon is 213 long.

$$\begin{array}{r} 321 \\ - 108 \\ \hline 213 \end{array}$$

15

There are 556 photos in Kevin's digital album. 283 of them are portraits and the rest are landscapes. How many landscapes are there?

Number of landscapes:

$(556 - 283)$ landscapes
 $= 273$ landscapes

$$\begin{array}{r} 556 \\ - 283 \\ \hline 273 \end{array}$$

16

Roy and Kate want to buy a bicycle together. Each of them has 246 dollars. The bicycle costs 723 dollars. How much more money do they need?

Amount of more money they need:

$723 \text{ dollars} - 246 \text{ dollars}$
 $= 477 \text{ dollars}$

$$\begin{array}{r} 723 \\ - 246 \\ \hline 477 \end{array}$$

Write the correct digits in .

12

$$\begin{array}{r} 78'23' \boxed{7} \leftarrow 9+8 \\ - 5 \boxed{8} 9 \\ \hline \boxed{2} 4 \boxed{8} \end{array}$$

$9+8=17$
 $12-4=8$

13

$$\begin{array}{r} 45 \boxed{3} 7 \leftarrow 8+4+1=13 \\ - 2 \boxed{8} \boxed{8} \leftarrow 17-9 \\ \hline \boxed{2} 4 \boxed{9} \end{array}$$

$8+4+1=13$
 $17-9=8$

C+②

Solve the

working.

14

A red ribbon is 321 cm long. A yellow ribbon is 108 cm long. How much longer is the red ribbon than the yellow ribbon?

(14. Length of the yellow ribbon:

$$321 \text{ cm} - 108 \text{ cm} = \underline{213 \text{ cm}}$$

$$\begin{array}{r} 321 \\ - 108 \\ \hline 213 \end{array}$$

The yellow

(16. Amount of more money they need:

15

There are 556 dollars. 283 dollars are spent. How much more money do they need?

$$\begin{array}{r} 723 \text{ dollars} - 246 \text{ dollars} = 477 \text{ dollars} \\ 477 \text{ dollars} - 246 \text{ dollars} = \underline{231 \text{ dollars}} \end{array}$$

$$\begin{array}{r} 723 \\ - 246 \\ \hline 477 \\ - 246 \\ \hline 231 \end{array}$$

$$\begin{array}{r} 556 \\ - 283 \\ \hline 273 \end{array}$$



16

Roy and Kate have 723 dollars. The bicycle costs 246 dollars. How much more money do they need?

Amount of more money they need:

$$\begin{array}{r} 723 \text{ dollars} - 246 \text{ dollars} = \underline{477 \text{ dollars}} \end{array}$$

$$\begin{array}{r} 723 \\ - 246 \\ \hline 477 \end{array}$$

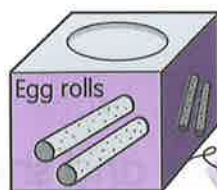
Date: 29th March, 2022Score: 10

6 Problems Related to Money

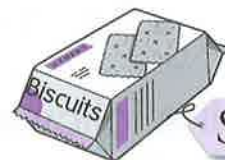
Modern Bakery



\$ 42.80



\$ 53.20



\$ 45.30

- ① What is the difference between the prices of a box of egg rolls and a box of candies?

The difference between the prices of a box of egg rolls and a box of candies is $\$53.20 - \42.80

The difference is 10 dollars and 40 cents.

		\$	10¢
	5	3	20
-	4	2	80
	1	0	40

- ② A bag of cookies is 16 dollars and 50 cents more expensive than a bag of biscuits. How much does a bag of cookies cost?

The cost of a bag of cookies is $\$45.30 + \$16.50 = \$61.80$

$$\begin{array}{r} 45.30 \\ + 16.50 \\ \hline 61.80 \end{array}$$

- ③ Dad pays 90 dollars to buy a box of candies and a bag of biscuits. How much does he get in change?

Amount he gets in change: $\$90.00 - \$42.80 - \$45.30 = \1.90

$$\begin{array}{r} 90.00 \\ - 42.80 \\ \hline 47.20 \\ - 45.30 \\ \hline 1.90 \end{array}$$

Solve the following problems and show your working.

- 4 Dad buys one box of dark chocolate and two boxes of green tea candies in the supermarket. How much should he pay?



Green tea candies
\$12.70 2



Dark chocolate 1
\$72.80



Amount he should pay:

$$\$12.70 + \$12.70 + \$72.80$$

$$= \$98.20$$

$$\begin{array}{r} 12.70 \\ 12.70 \\ + 72.80 \\ \hline 98.20 \end{array}$$

5

Edwin originally has:



After shopping, he has:



According to the above pictures, how much does Edwin spend for shopping?

Amount Edwin spends for shopping:

$$\$40 - \$5.80$$

$$= \$34.20$$

$$\begin{array}{r} 40.00 \\ - 5.80 \\ \hline 34.20 \end{array}$$

Date: 31st March, 2022Score:

7 Mixed Operations of Addition and Subtraction

Calculate.

①

$$298 + 147 - 321$$

$$= 445 - 321$$

$$= 124$$

②

$$528 - 19 + 237$$

$$= 509 + 237$$

$$= 746$$

③

$$473 - 173 + 527$$

$$= 300 + 527$$

$$= 827$$

④

$$392 + 457 - 150$$

$$= 849 - 150$$

$$= 699$$

⑤

$$205 - 84 + 136$$

$$= 121 + 136$$

$$= 257$$

⑥

$$262 + 459 - 152$$

$$= 721 - 152$$

$$= 569$$

Solve the following problems and show your working.

⑦

Toy soldier



\$399.00

Robot



\$589.00

The toy shop is offering a big sale. 200 dollars will be refunded if a customer buys one toy soldier and one robot. Mum buys one toy soldier and one robot, how much should she pay?

Amount she should pay:

$$\$399.00 + \$589.00 - \$200.00$$

$$= \$988.00 - \$200.00$$

$$= \$788.00$$

$$\begin{array}{r}
 \$4 \\
 399.00 \\
 + 589.00 \\
 \hline
 988.00 \\
 - 200.00 \\
 \hline
 788.00
 \end{array}$$

- ⑧ A juice shop has 425 boxes of orange juice originally. After selling 176 boxes, the shop owner buys another 389 boxes. How many boxes of orange juice are there now?

A

Date (?)

Number of boxes of orange juice now:
 $425 \text{ boxes} - 176 \text{ boxes} + 389 \text{ boxes}$
 $249 \text{ boxes} + 389 \text{ boxes}$
 $= 638 \text{ boxes}$

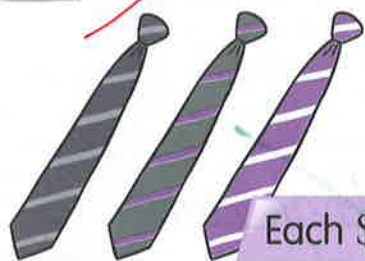
$$\begin{array}{r} 425 \\ - 176 \\ \hline 249 \\ + 389 \\ \hline 638 \end{array}$$

- ⑨ Jacky has \$277. Eva has \$118 less than Jacky. Thomas has \$596 more than Eva. How much does Thomas have?

Amount Thomas has:
 $\$277.00 - \$118.00 + \$596.00$
 $\$159.00 + \596.00
 $= \$755$

$$\begin{array}{r} 277 \\ - 118 \\ \hline 159 \\ + 596 \\ \hline 755 \end{array}$$

⑩



Each \$328.00

BIG SALE!
 Buy two ties,
 pay \$138 less.

Raymond buys two of the ties as shown in the above picture. How much does he need to pay altogether?

Amount he need to pay altogether:
 $\$328.00 + \$328.00 - \$138.00$
 $\$656.00 - \138.00
 $= \$518.00$

$$\begin{array}{r} 328 \\ + 328 \\ \hline 656 \\ - 138 \\ \hline 518 \end{array}$$

Date: 7th April, 2022

Score: A ①

8 Word Problems

Solve the following problems and show your working.

①

244 stamps can
redeem one



359 stamps can
redeem one



Meg wants to redeem two teddy bears and one school bag.
How many stamps does she need altogether?

Number of stamps she needs altogether

$$244 \text{ stamps} + 244 \text{ stamps} + 359 \text{ stamps} = 847 \text{ stamps}$$

$$\begin{array}{r} 244 \\ 244 \\ + 359 \\ \hline 847 \end{array}$$

② Benny has \$245. Rachel has \$187. Benny spends \$40 for buying gifts, then how much more does he have than Rachel?

Amount of more he has ^{more} than Rachel:

$$\begin{aligned} & \$245 - \$40 - \$187 \\ & = \$205 - \$187 \\ & = \$18 \end{aligned}$$

Amount he has more than Rachel:

$$\begin{array}{r} 245 \\ - 40 \\ \hline 205 \\ - 187 \\ \hline 18 \end{array}$$

③ There are 216 geese and 308 ducks in a farm. The number of hens is 157 less than the sum of geese and ducks. How many hens are there?

Number of hens:

$$\begin{aligned} & (216 + 308 - 157) \text{ hens} \\ & = (524 - 157) \text{ hens} \\ & = 367 \text{ hens} \end{aligned}$$

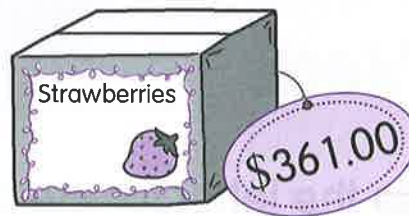
$$\begin{array}{r} 216 \\ + 308 \\ \hline 524 \\ - 157 \\ \hline 367 \end{array}$$

8th April, 2022

④



A



- a) Joe has \$524. He wants to buy a carton of oranges and a carton of strawberries. How much more money does he need?

Amount of more money he needs:
 $\$358.00 + \$361.00 - \$524$
 $= \$719 - \524
 $= \$195$

$$\begin{array}{r} 358 \\ + 361 \\ \hline 719 \\ - 524 \\ \hline 195 \end{array}$$

- b) A carton of pears is \$213 cheaper than a carton of strawberries. A carton of mangoes is \$147 more expensive than a carton of pears. How much does a carton of mangoes cost?

The cost of a carton for mangoes:
 $\$361 - \$213 + \$147$
 $= \$148 + \147
 $= \$295$

$$\begin{array}{r} 361 \\ - 213 \\ \hline 148 \\ + 147 \\ \hline 295 \end{array}$$

- 5) There are three display areas in the book fair this year. Area A has 417 exhibitors which is 263 more than Area B. Area B has 99 exhibitors less than Area C. How many exhibitors are there in Area C?

Number of exhibitors in Area C:
 $417 \text{ exhibitors} - 263 \text{ exhibitors} + 99 \text{ exhibitors}$
 $154 \text{ exhibitors} + 99 \text{ exhibitors}$
 $= 253 \text{ exhibitors}$

$$\begin{array}{r} 417 \\ - 263 \\ \hline 154 \\ + 99 \\ \hline 253 \end{array}$$

9 Metre

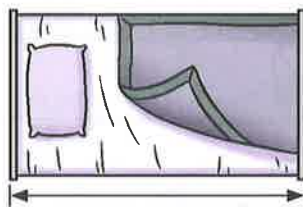
Write the letter for the answer in each

- ① A. Shorter than 1 m B. Longer than 1 m C. About 1 m long

- Ⓐ Length of a book Ⓑ Length of a bed Ⓒ Length of a walking stick



A



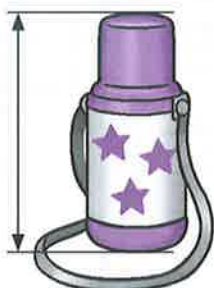
B



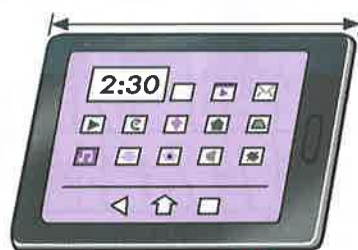
C

Fill in suitable units of length.

- ② Ⓐ Height of a thermos bottle Ⓑ Length of a tablet computer

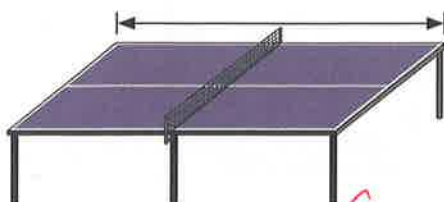


About 20 cm



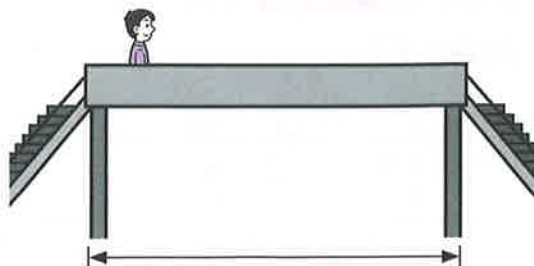
About 16 cm

- Ⓒ Length of a table-tennis table



About 3 m

- Ⓓ Length of a footbridge



About 10 m

Fill in the blanks.

③ $1\text{ m } 28\text{ cm} = \frac{128}{=100\text{ cm} + 28\text{ cm}}$ cm

④ $2\text{ m } 23\text{ cm} = \frac{223}{=200\text{ cm} + 23\text{ cm}}$ cm

⑤ $3\text{ m } 5\text{ cm} = \frac{305}{=300\text{ cm} + 5\text{ cm}}$ cm

⑥ $4\text{ m } 10\text{ cm} = \frac{410}{=400\text{ cm} + 10\text{ cm}}$ cm

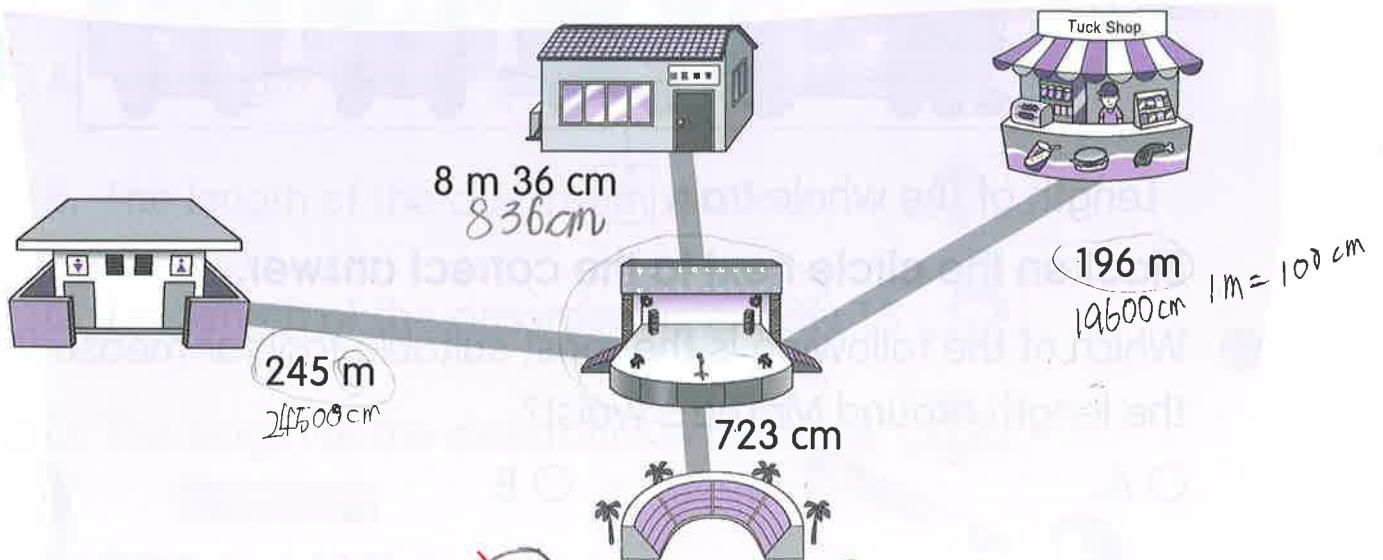
Circle the answer and complete the following.





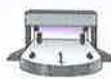




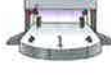
- ⑦ The following table shows the results of three students in a high jump competition.

Student	Benny	Jacky	Thomas
Record	102 cm	1 m 20 cm <i>120 cm</i>	112 cm

The champion is (Benny / Jacky / Thomas), (第二名)
His record is 8 cm more than the 1st runner up.

The map below shows the facilities near the stage. Circle the answers according to the map.



- a ( /  /  / ) is nearest to the stage .
- b ( /  /  / ) is farthest from the stage .

10 Measuring Tools

Choose the most suitable tool to measure each of the following length. Write the letter for the answer in . (Each letter can be chosen once.)

①



A. Trundle wheel



B. Tape measure



C. Centimetre ruler



D. Metre ruler

Length around a smokestack B

Height of a carriage D



Length of the whole train A

Blacken the circle next to the correct answer.

② Which of the following is the most suitable tool for measuring the length around Mr Lee's waist?

☐ A.



Metre ruler

☐ B.



Centimetre ruler

☐ C.

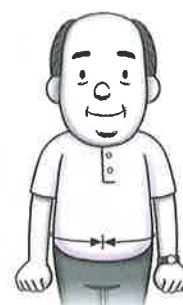


Trundle wheel

☒ D.



Tape measure



Mr Lee

③ Which of the following is the most suitable 'ever-ready ruler' to estimate the length of a football court?

☒ A.



Distance between the shoulder and the floor

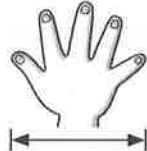
☒ B.



Footstep



☐ C.



Width of hand

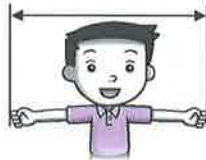
☐ D.



Width of thumb

④

Mandy




Sally



is longer than



. If the length of a classroom is exactly 15 , which of the following descriptions is correct?

☐ A. The length of the classroom is about 13 .

☐ B. The length of the classroom is about 14 .

☐ C. The length of the classroom is exactly 15 .

☒ D. The length of the classroom is about 16 .

Let's think and fill in the blank.

⑤ Miss Chan's footstep is about 50 cm. If she wants to walk a road that is about 450 cm long, she needs to walk about 9 footsteps.



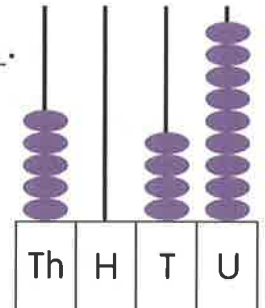
About 50 cm

1. (a) The number shown by the abacus on the right : _____

Read as: _____ (2 marks)

- (b) '____' is in the hundreds place. It stands for _____. (1 mark)

- (c) By counting onwards, the next odd number of this number is _____. (1 mark)



2. Arrange the following numbers from the greatest to the smallest.

7028, 7208, 8027, 7820

Answer: _____, _____, _____, _____ (1 mark)
(Greatest) (Smallest)

3. Follow the pattern and fill in the blanks. (1 mark)



4. $763 - 231 = \square$ (1 mark)

5. $927 + 299 - 342 = \square$ (1 mark)

6. $647 - 516 + 277 = \square$ (1 mark)

7. There are 417 books in the library. 129 are Chinese books, the rest are English books. There are _____ English books. (1 mark)

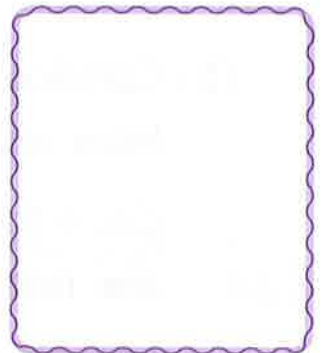
8. There are 471 people in a parade team. 123 people leave the team, then 374 people join the team. There are _____ people in the team now. (1 mark)

9. A cup of coffee costs 5 dollars and 70 cents. A cup of fruit juice is 10 dollars and 80 cents more expensive than a cup of coffee. The cost of a cup of fruit juice is _____ dollars and _____ cents. (1 mark)

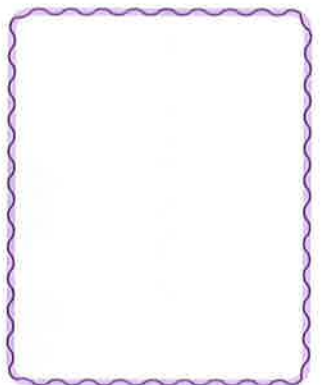
10. Mrs Tse, the class teacher, prepares 963 tea sets for the Parents' Day. 157 sets are given out in the morning and 427 sets are given out in the afternoon. How many sets are left? (Show your working) (3 marks)



11. A dozen of egg tarts costs 48 dollars and 70 cents. Mum pays 50 dollars to buy one dozen of egg tarts. How much does she get in change? (Show your working) (3 marks)



12. A teapot costs \$177. A set of tea cups costs \$190. Miss Lee wants to buy a teapot and a set of tea cups. She has \$298. How much more money does she need? (Show your working) (3 marks)



13. The following shows the money in Elsa's money box.



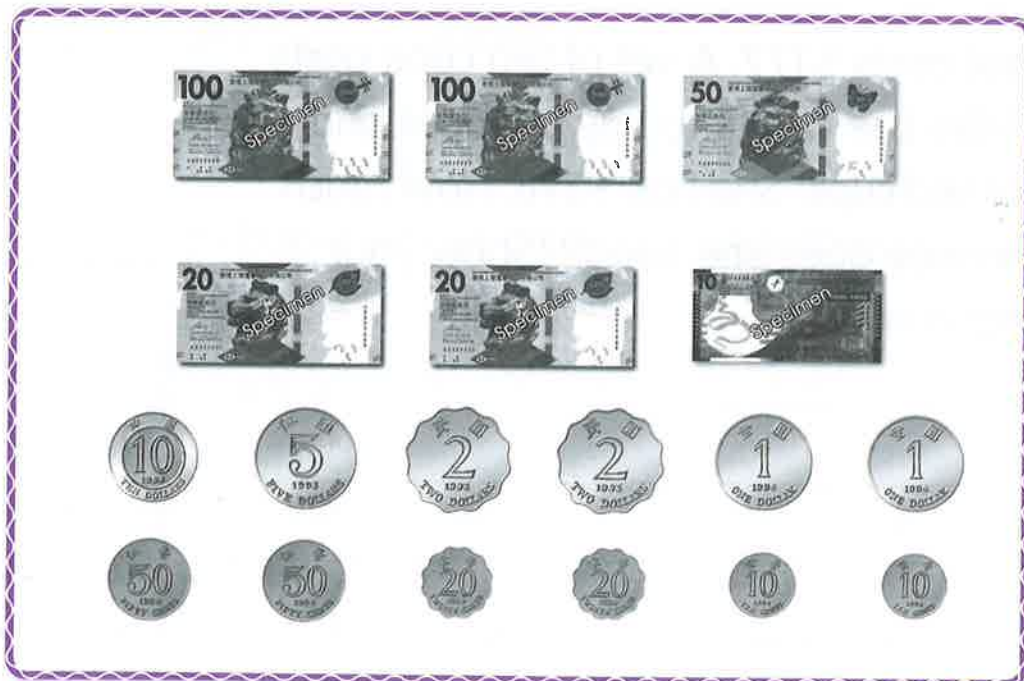
There are _____ dollars and _____ cents in the money box. (1 mark)

14. 2  can be exchanged for _____ . (1 mark)

15. Candice sees a juicer in a shop.

(a) The price of the juicer is _____ dollars and _____ cents. (1 mark)

(b) Candice buys the juicer.
How much should she pay?
Circle the notes and coins she needs to pay. (1 mark)



16. Fill in the blanks with the suitable measuring units.

(a) The length of a lamp is about 50 cm. (1 mark)

(b) The length of a tennis court is about 36 m. (1 mark)

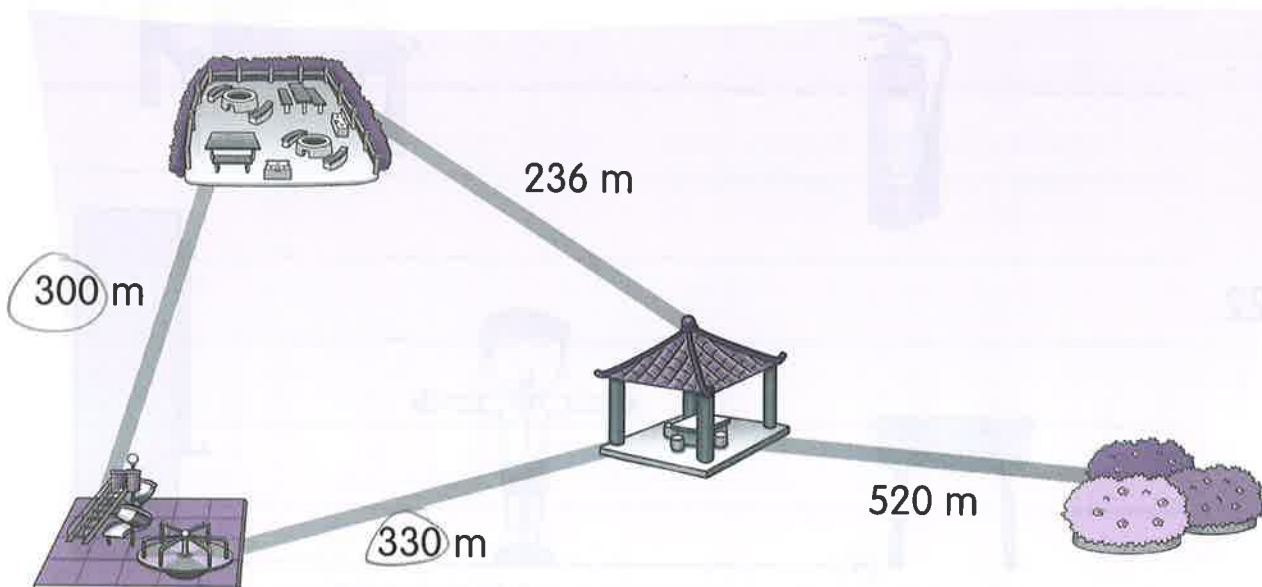
(c) The thickness of a Maths textbook is about 1 cm. (1 mark)

17. 3 m 5 cm = 305 cm (1 mark)

18. 4 m 32 cm = 432 cm (1 mark)

19. 7 m 2 cm = 702 cm (1 mark)

20. The map below shows the facilities near a pavilion.



(a) is nearest to * / / . (1 mark)

(* Circle the answer)

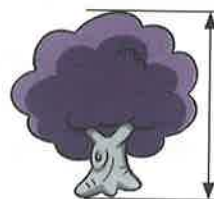
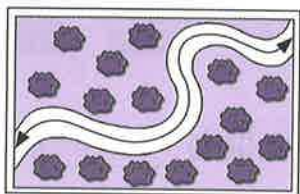
(b) The distance between and is * longer / shorter than the distance between and . (1 mark)

(* Circle the answer)

21. Which of the following is the most suitable to be measured by a trundle wheel? (1 mark)

☒ A. Length of a jogging track

☐ B. Height of a big tree

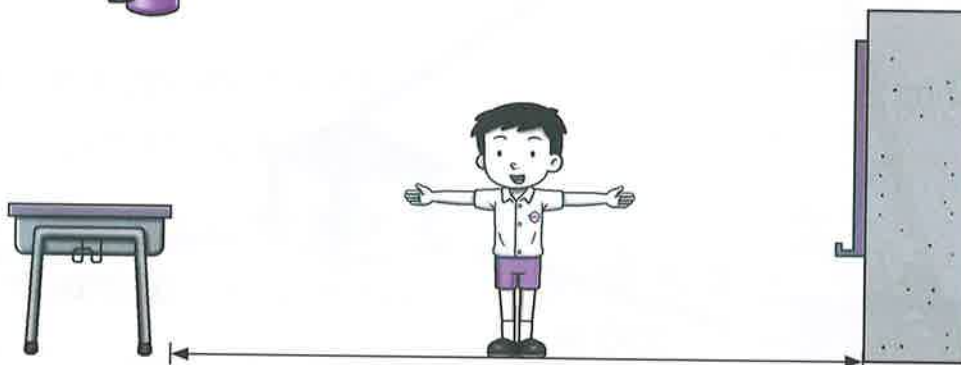


☐ C. Length around a fire extinguisher

☐ D. Width of a desk

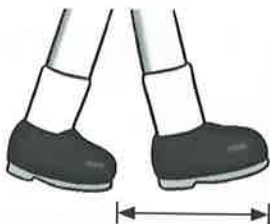


22.



Which of the following is not suitable to estimate the distance between the desk and the blackboard? (1 mark)

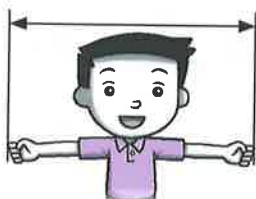
☐ A.



☒ B.



☐ C.



☐ D.

