Contents

3 **A** *sample*

Date: _____

Circle the number closest to the result of each of the expressions on the left.

1. 386×8	1600	2400	3200	4000
2. 124×5	250	500	1000	5000
3. 856×6	540	600	4800	5400

Do the calculations.

4. $263 \times 8 =$ _____

5. $535 \times 6 =$ _____

6. $3 \times 472 =$ _____

7. $804 \times 9 =$ _____

8. $628 \times 4 =$ _____

9. $5 \times 748 =$ _____

Solve the problems. Show your working.

10. Lora and Carol pay together for an electronic piano. Each of them has to pay 279 dollars. How much does this electronic piano cost?

_____
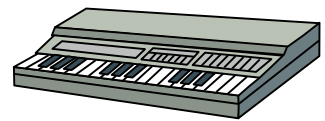
11. The monthly management fee for Mr. Cheung's flat is 679 dollars. How much should he pay altogether for half a year?

_____

12. If a box of beads is divided into 4 portions, there will be 105 beads in each portion. A teacher of a craft class has 3 boxes of beads. How many beads in total does the teacher have?

_____

sample

13. A baker bakes 144 sausage buns every day. Each bun contains one sausage.

(a) Each sausage bun costs 4 dollars. The bakery sells all the sausage buns every day and receives _____ dollars in total.

(b) The bakery needs _____ sausages a week in total for making sausage buns.

14.

I planned to buy this type of chair spending less than 1000 dollars.

Mr. Li

$248
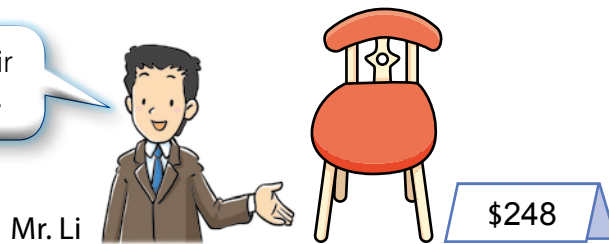
Mr. Li can buy at most [✛] 4 / 5 chairs. (✛ Circle the answer)

15. Which of the following options can make the expression on the right to be **largest** and **even**? (Write the letter next to the answer in the ☐)

2 ★ 9
× ●
‾‾‾‾‾‾‾‾

A. ★ = 8, ● = 9
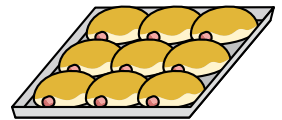
B. ★ = 9, ● = 6

C. ★ = 7, ● = 8

D. ★ = 6, ● = 7

16.

May						
Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Good View Parking

Charge per week $488

Weekly rate is charged for parking time less than a week.

Mr. Cheung parked his car in Good View Parking from the 3rd of May until the 27th of the same month. How much should Mr. Cheung pay?

Answer: He should pay $ _____ .

Date:

sample

🔧 Do the calculations.

1.

$$4 \,\overline{)\,7\;5\;2}$$

2.

$$3 \,\overline{)\,4\;7\;9}$$

3.

$$2 \,\overline{)\,9\;1\;0}$$

4. $374 \div 2 =$ _____

5. $528 \div 3 =$ _____

6. $675 \div 5 =$ _____

7. $793 \div 2 =$ _____

8. $800 \div 6 =$ _____

Note You can check the answer using multiplication. If 'quotient × divisor + remainder = dividend', then the answer is correct.

⚙️ Solve the problems. Show your working.

9. Ruby saves the same amount of money every month. If she can save 852 dollars in total in half a year, how much money does she save every month?

_____

10. 658 toothbrushes are packed into packets of 4 for sale. How many packets of toothbrushes are there for sale?

_____
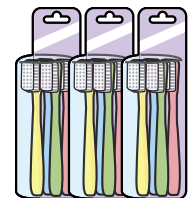
There are _____ packets of toothbrushes for sale.

11. There were 875 pages in a novel. Gary read the same number of pages every day. He finished the novel in a week. How many pages did he read every day?

_____

12.

Lobster set menu for two	Lobster set menu for four
$518	$936

(a) My father, mother, uncle and aunt ordered 2 lobster sets for two. Each of them should pay _____ dollars on average.

(b) If they ordered 1 lobster set for four instead of 2 sets for two, their average spending would be ✤ lower / higher . (✤ Circle the answer)

13. My mother buys 6 towels. Each towel costs _____ dollars and _____ cents on average.

75 dollars for 6 towels

14. There are 400 dried plum sweets in a sweet shop. Each little bag can only hold 3 dried plum sweets. At least how many little bags are needed to hold all the dried plum sweets? (Show your working)

15. What is the least number to be added to 986 so that it is divisible by 8? (Write the letter next to the answer in the ☐)

A. 2   B. 6

C. 8   D. 12

16. A shopkeeper of a stationery shop packed some pencils into boxes of 9. After packing, there were 106 boxes of pencils and no pencils were left. If he repacked the pencils into boxes of 3, how many pencils would be left? (Write the letter next to the answer in the ☐)

A. 0   B. 1

C. 2   D. 4

Analysis of Common Questions in
Public Exam

Calculation

（Exercise 3 – Q3）

1. $538 + 1264 =$ _____

> **Smart Tactics**
> Pay attention to the alignment of the digits. Note that the carrying may be more than once.

（Exercise 5 – Q1）

2.
```
    2  3  5  0
 –  1  6  5  7
_____
```

> **Smart Tactics**
> When performing subtraction with borrowing, marking the digits of borrowing on the column form may help.

（Exercise 9 – Q6）

3. $2 \times 179 =$ _____

> **Smart Tactics**
> When performing multiplication, note that interchanging the positions of the two numbers will not affect the result.

（Exercise 13 – Q7）

4. $965 \div 4 =$ _____

> **Smart Tactics**
> When performing division, note if there is a remainder in the answer.

（Exercise 12 – Q2）

5.
```
     _____
  7 ) 7  6  3
```

> **Smart Tactics**
> As the digit in the tens place of the dividend is not large enough for division, put a '0' in the tens place of the quotient. Meanwhile, note the alignment of the digits.

Filling in the boxes

（Exercise 3 – Q11）

6. Fill in the ☐ with the correct digits.

```
     3   6   5  ☐
  +  2  ☐   2   8
  _____
    ☐   0  ☐   3
```

> **Smart Tactics**
> Think about the units place first. 5 is the only digit that adds to 8 can give the 3 in the units place of the result. 5 + 8 = 13. Note that 1 is carried to the tens place. Then, think about the tens place. 5 plus the carried 1 equals 6. 6 plus 2 equals 8. Find the remaining digits in the same way.

sample

（Exercise 1 – Q10）

1. Write the number '40 050' in words.

Answer: _____

Sorting It Out

When writing a 5-digit number in words, if '0' is in the hundreds place, write the word 'and' after the word 'thousand'.

! Mind the Trap

Students are not familiar with how to write a 5-digit number with '0's in words.

（Exercise 1 – Q13）

2.

0	0	0	3	8

Mark used the above number cards to form three different 5-digit numbers and arranged them from the largest to the smallest. The first number is 38 000. Fill in each box with a suitable number.

Answer: 38 000 , [_____] , [_____]
   (largest)   (smallest)

! Mind the Trap

Students are not aware of the condition 'the first number is 38 000', or mistakenly think that they have to form 5-digit numbers larger than 38 000.

Sorting It Out

As '0' cannot be put at the ten thousands place, in order to form a 5-digit number smaller than 38 000, the digit in the ten thousands place must be '3'. Then, put the remaining digits in the remaining places. Possible numbers are 30 008, 30 080 and 30 800. Choose any two from these three numbers and arrange them from the largest to the smallest.

（Exercise 6 – Q9b）

3. The following is a label which Yoyo wrote her name on and stuck to her textbook.

3A Yoyo Cheung

←————— ? —————→
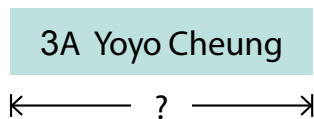
The length of the label is _____ mm.

! Mind the Trap

Students confuse centimetre (cm) with millimetre (mm) easily. They measure the length of the label with a centimetre ruler, but do not convert the unit into millimetre for the answer.

Sorting It Out

When measuring, you should place one end of the object at the '0' mark on the centimetre ruler and take the reading carefully. Note how long one small division on the ruler stands for.

Brain Training

1

Calculate the addition.

$$9999 + 9999 + 9999 + 9999 + 9999 = ?$$

Answer: _____

2

Find what digits the letters in the column form stand for.

```
    A   B   C
×           9
───────────────
    C   D   A
```

A = _____

B = _____

C = _____

D = _____

3
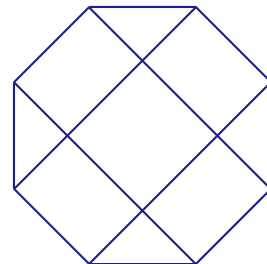
How many pairs of parallel lines are there in the figure on the right?

Answer: _____ pairs