



Multi-digit numbers

Date: _____
 Score: _____

Basic Questions

1. Complete the table below.

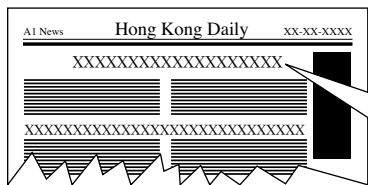
In Arabic numerals										In words
100M	10M	M	100Th	10Th	Th	H	T	U		
(a)	—	8	5	—	—	—	1	9		Twenty-eight million five hundred and thirty thousand seven hundred and nineteen
(b)	6	4	7	0	2	1	0	8	5	

2. In 20 576 498, '7' is in the _____ place and it stands for _____ ;
' _____ ' is in the millions place and it stands for _____ .

3. Complete the table below.

	Exact value	Round off to the nearest hundred thousand	Round off to the nearest million
(a)	5 736 769		
(b)	29 927 595		
(c)	458 818 676		

4.



The latest populaion of this city is about 7 630 000. (Rounded off to the nearest ten thousand)

Which of the following numbers may be the latest population?

- A. 7 612 009
- B. 7 612 757
- C. 7 628 409
- D. 7 639 867

5. In the number 405 369 387, what is the total value of the two '3's?

- A. 30 300
- B. 299 700
- C. 300 300
- D. 303 000

★ Questions

6. When we write 'ninety million four hundred and twenty-five thousand and three' in Arabic numerals, there are _____ '0's.

7. The following table shows the number of sales of four types of books in a bookshop last year.

Book	Storybook	Fiction	Travel book	Textbook
Number of sales	530 816	679 281	602 673	1 037 459

Arrange the number of sales from the largest to the smallest.

Answer: _____, _____, _____, _____
 (Largest) (Smallest)

8. (a) Rounding off 679 743 071 to the nearest _____ or _____ is 680 000 000.

(b) Rounding off 243 045 982 to the nearest _____ or _____ is 243 000 000.

9. The number card below is covered with dirt. If rounding off this number to the nearest million is 73 000 000, which of the following may be the digit covered with the dirt?



- A. 0
- C. 4

- B. 3
- D. 8

10.



Use the number cards above to form the specified numbers.

- (a) The largest 7-digit odd number: _____
- (b) The smallest 7-digit even number: _____
- (c) The 7-digit number closest to 5 000 000: _____



Learning Objectives

- ① Multi-digit numbers
- ② Areas of triangles and quadrilaterals
- ③ Area of polygons



Self-Assessment

- Correct
- Incorrect

1. Mick rounds off 534 671 803 to get the result 534 700 000. He rounds off the number to the nearest



- A. ten million.
- B. million.
- C. hundred thousand.
- D. ten thousand.

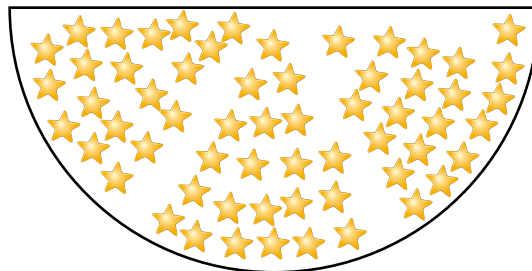


2. Round off the turnover of a toy shop to the nearest million. The result is \$25 000 000. Which of the following may be the actual turnover of the toy shop?

- A. \$20 499 584
- B. \$25 367 498
- C. \$25 907 343
- D. \$20 599 584



3. The following picture shows a stage with decoration of stars.



- (a) Draw straight lines on the picture to divide it into _____ equal parts.
- (b) There are about _____ stars in the above picture.
- (c) The weight of each star is 88 931 g. About how many kilograms do the stars on the stage weigh?
 - A. 54 kg
 - B. 540 kg
 - C. 5400 kg
 - D. 54 000 kg

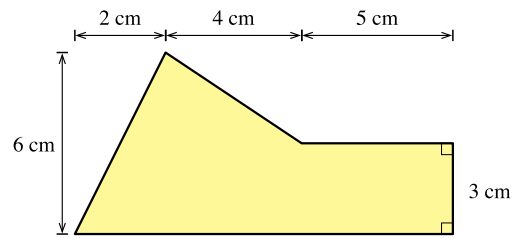




Self-Assessment

- Correct
- Incorrect

12. (a) Find the area of the figure on the right. If you use the dissecting method, draw dotted line(s) on the figure to show how you dissect the figure. If you use the filling method, colour the part(s) to show how you fill the figure.



③

③

③

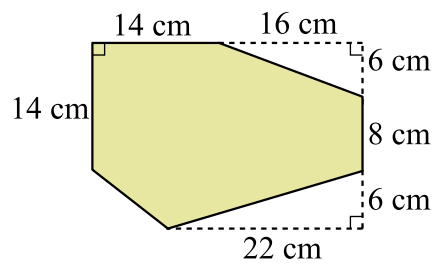
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Check

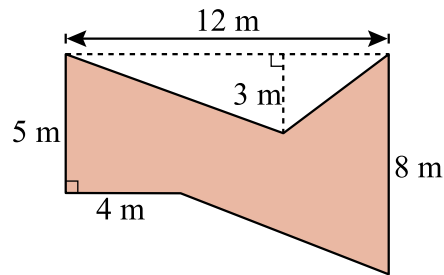
(b) The area is _____ cm^2 .

13. What is the area of the polygon on the right?

- A. 486 cm^2
- B. 462 cm^2
- C. 324 cm^2
- D. 162 cm^2



14. What is the area of the figure? (Show your working)



Self-Assessment Table

	Fair	Good	Great
① Multi-digit numbers	(0-2)	(3-5)	(6-7)
② Areas of triangles and quadrilaterals	(0-2)	(3-4)	(5-6)
③ Area of polygons	(0-1)	(2-3)	(4-5)

(Based on the number of questions that answered correctly, colour the appropriate face.)



Challenging Common Mistakes

Date: _____

Challenge 1

1. Sam has $6\frac{1}{4}$ bottles of sweets. May has $2\frac{1}{6}$ less bottles of sweets than Sam. Don has $5\frac{3}{8}$ bottles of sweets. How many more bottles of sweets than May does Don have? (Show your working) ◀ Similar question: P.27 Q8

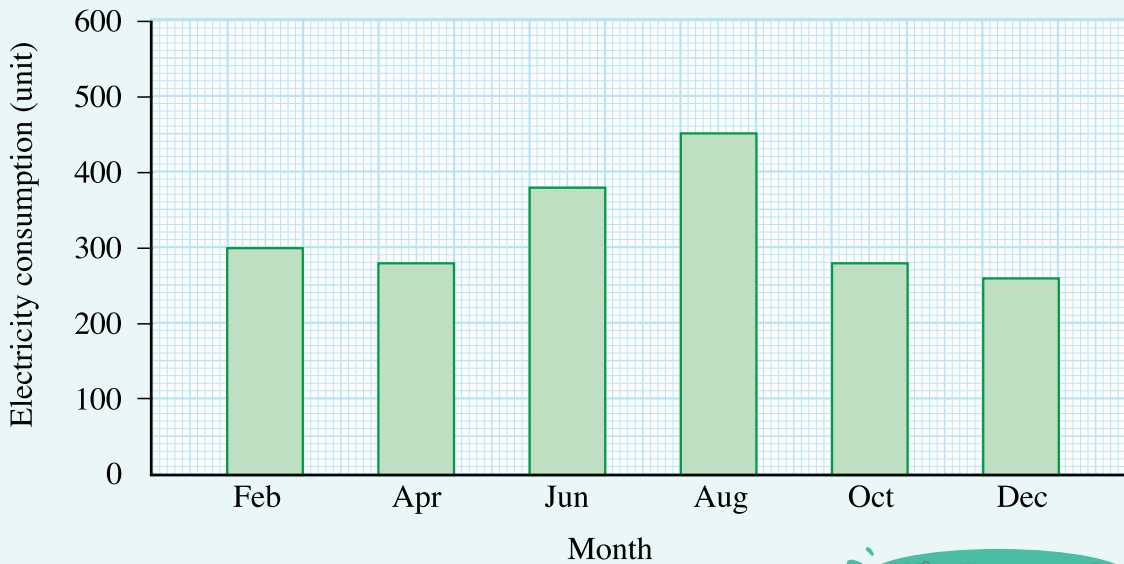
What's wrong?
Some pupils forget to add brackets in the expression.

How to do it?
Add brackets as needed.



Challenge 2

2. **Electricity consumption of Miss Cheung's family last year**



The electricity consumption in February is of that in August. (Give the answer as a fraction)

◀ Similar question: P.37 Q3(c)

What's wrong?
Some pupils fail to use the data in the bar chart to answer questions involving fractions.

How to do it?
Read the data from the bar chart and then calculate carefully.



Multi-digit numbers

multi-digit numbers	多位數
hundred thousands place	十萬位
millions place	百萬位
ten millions place	千萬位
hundred millions place	億位
approximate value	近似值
round off	四捨五入
estimate	估計

Areas of triangles and quadrilaterals

height	高
base	底
upper base	上底
lower base	下底
parallelogram	平行四邊形
triangle	三角形
trapezium	梯形

Area of polygons

polygon	多邊形
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Comparing fractions, addition and subtraction of fractions


fractions with different denominators	異分母分數
fractions in the lowest terms	最簡分數
addition	加法
sum	和
P plus Q	P 加上 Q
subtraction	減法
difference	差
P minus Q	P 減去 Q
mixed operations of addition and subtraction	加減混合運算

Multiplication of fractions

multiplication	乘法
product	積
P times Q	P 乘以 Q

Unit Test

Algebraic expressions and simple equations

Name: _____
 Class: _____ ()
 Date: _____
 Time: 10 min 

Learning Objectives

- ① Use algebraic expressions to represent the operations involving unknown quantities
- ② Solve simple equations and solve problems by using equations



Self-Assessment

- Correct
 Incorrect

10 min 

1. Circle all the algebraic expressions.

$7 + 6$

$11 \div A$

$9f$

$12 < 21$

$4h - 36$

$5 + 8 = 13$

2. According to the values represented by the algebraic symbol, find the values of the algebraic expressions.

x	16	20	24
(a) $x + 5$			
(b) $\frac{x}{4}$			

3. Which of the following equations represents 'w times 5 and then minus 3 equals 17'?

- A. $5(w - 3) = 17$ B. $\frac{5w}{3} = 17$
 C. $w + 5 - 3 = 17$ D. $5w - 3 = 17$

4. Write an algebraic expression to represent each of the following.

(a) The sum of 11 and 3 times of c is _____.

(b) 5 more than half of x is _____.

5. Which of the following expressions represents '7 minus r , and then multiplied by 7'?

- A. $7 - r \times 7$ B. $(7 - r) \times 7$
 C. $7 \times (r - 7)$ D. $(7 - 7) \times r$

6. If $3T = 18$, then $6T =$ _____.

①

①

①

②

①

①

①

②