

Multiplication (1)

Date: _____

Score: _____

Basic Questions

1. Do the following.

(a)

$$\begin{array}{r} 34 \\ \times 21 \\ \hline \end{array}$$

(b)

$$\begin{array}{r} 84 \\ \times 38 \\ \hline \end{array}$$

2. Do the following.

(a) $32 \times 53 =$ _____

(b) $46 \times 67 =$ _____

(c) $58 \times 72 =$ _____

(d) $94 \times 86 =$ _____

3. Elva estimates the product of a multiplication as $60 \times 30 = 1800$. Which of the following may be the multiplication that Elva wants to calculate?

A. 64×38

B. 54×25

C. 61×29

D. 68×47

4. Nora saves 32 dollars every day. She saves _____ dollars in 28 days.

5. There are _____ pieces of cake in 20 dozen.

6. Mum spends 21 dollars every day for travelling. She spends a total of _____ dollars in July.

Tips

There are 12 pieces in 1 dozen.

Tips

There are 31 days in July.



Questions

7. $67 + 67 + \dots + 67 = \underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$
 52 items

8. Which of the following has a result larger than 4000?
- A. 42×89
 - B. 64×52
 - C. 93×24
 - D. 72×68

9. Dad buys 21 boxes of pencils. There are 16 pencils in each box. How many pencils does Dad buy altogether? (Show your working)

10. Grandma buys 14 melons. How much should she pay altogether? (Show your working)

	Pineapple \$24
	Melon \$28

11.

Menu	
Plain congee	\$12 per bowl
Fried noodles	\$27 per set
Rice rolls	\$23 per set

- (a) One and a half dozen sets of fried noodles cost _____ dollars.
- (b) Ted has 300 dollars. Does he have enough money to buy 25 bowls of plain congee? Why?

Answer: He * has / does not have enough money (* Circle the answer)
 because _____



Learning Objectives

- ① Multiples and factors
- ② Common factors and common multiples
- ③ Directions
- ④ Bar charts



Self-Assessment

- Correct
- Incorrect

1. Which of the following numbers is not a multiple of 8?

- A. 8
- B. 40
- C. 60
- D. 96


 ①

2. _____ is a factor of 45, and also a multiple of 45.

 ①

3. Among the multiples of 27, _____ is closest to 100.

 ①

4. \blacklozenge is a factor of 120, and also a multiple of 4. Write all the possible values of \blacklozenge .

Answer: _____

 ①

5. Circle all the composite numbers.

19 27 41 57 87 91

 ①

6. From 50 to 90, there are _____ prime numbers. The smallest one is _____.

 ①

7. Numbers with 3 factors are * prime / composite numbers. (* Circle the answer)

 ①

8. Which of the following sets of numbers has the largest H.C.F.?

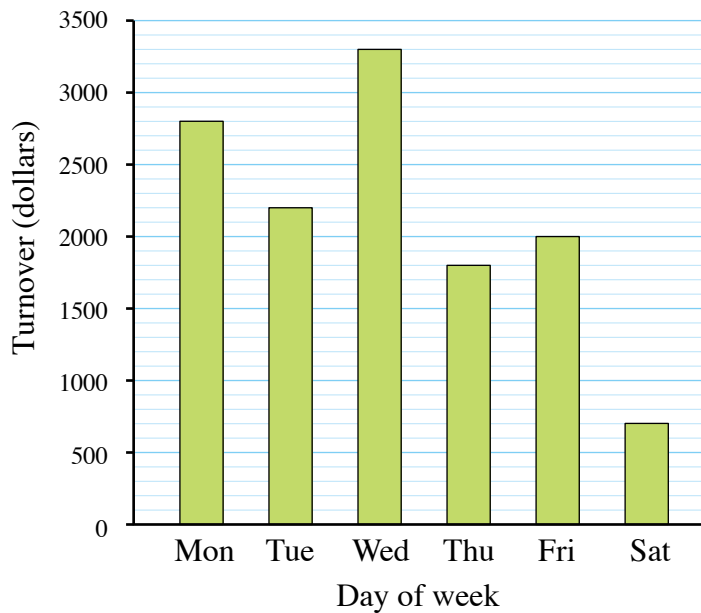
- A. 8, 12
- B. 6, 15
- C. 21, 28
- D. 48, 57

 ②



17. The following bar chart shows the turnover of the beauty section of a department store last week.

Turnover of the beauty section of a department store last week



Self-Assessment
 Correct
 Incorrect

5 min

- (a) The turnover on _____ is the highest. It was \$ _____ .
- (b) The turnover on Tuesday is \$ _____ * higher / lower than that on Thursday.
- (c) The turnover on Monday is _____ times that on Saturday.
- (d) The manager decides to offer a promotion on one of the days next week. On which day do you think the manager should offer the promotion? Why?

- 4
- 4
- 4
- 4

Answer: On _____, because _____

Check

Self-Assessment Table

	Fair	Good	Great
① Multiples and factors	😞 (0-2)	😊 (3-5)	😄 (6-7)
② Common factors and common multiples	😞 (0-1)	😊 (2-3)	😄 (4-5)
③ Directions	😞 (0-2)	😊 (3-5)	😄 (6-7)
④ Bar charts	😞 (0-2)	😊 (3-4)	😄 (5-6)

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



Challenging Common Mistakes

Date: _____

Challenge 1

1. List all the factors of 63.

Answer: _____

Similar question: P.24 Q5(a)

What's wrong?

Some pupils fail to find all the factors of a number using the listing method.

How to do it?

First write down all the multiplications with that number as the result.

2. Which of the following numbers are common multiples of 12 and 18? (Circle all the answers)

2 3 6 18 36 72

Similar question: P.30 Q5

What's wrong?

Some pupils confuse common factors with common multiples.

How to do it?

Common factors are smaller than or equal to those two numbers, while common multiples are larger than or equal to those two numbers.

3. The highest common factor (H.C.F.) of 9 and 24 is

- A. 3.
 B. 9.
 C. 72.
 D. 216.

Similar question: P.28 Q4

What's wrong?

Some pupils fail to find the H.C.F. of two numbers.

How to do it?

Use short division to find the H.C.F. of two numbers.



Multiplication

multiplication	乘法
multiplicand	被乘數
multiplier	乘數
product	積
multiplication sign	乘號
P times Q	P 乘以 Q

Division

division	除法
dividend	被除數
divisor	除數
quotient	商
remainder	餘數
division sign	除號
P is divided by Q	P 除以 Q
divisibility	整除性
P is divisible by Q	P 能被 Q 整除
whole number	整數

Quadrilaterals

quadrilateral	四邊形
rhombus	菱形

Dissecting and forming shapes

dissect	分割
form	拼砌
polygon	多邊形

Multiples and factors

multiple	倍數
factor	因數
prime number	質數
composite number	合成數

Unit Test Quadrilaterals

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

Learning Objectives

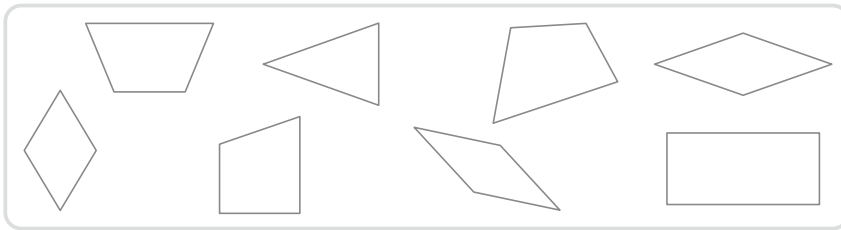
- ① Recognise rhombuses
- ② Recognise the relations between different types of quadrilaterals
- ③ Draw and make rhombuses



Self-Assessment

- Correct
 Incorrect

1. Colour the trapeziums red. Colour the rhombuses yellow.



①

2. The 4 sides of both a square and a rhombus are _____.

①

3. Which of the following properties does a square but not a rhombus have?

- A. The opposite sides are equal.
 B. The opposite sides are parallel.
 C. The 4 sides are equal.
 D. The 4 angles are equal.

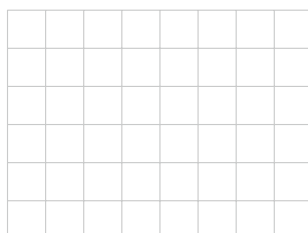
②

4. Which of the following is not a common property for a parallelogram and a rhombus?

- A. The 4 angles are equal.
 B. The 2 pairs of opposite sides are parallel.
 C. The 2 pairs of opposite angles are equal.
 D. The 2 pairs of opposite sides are equal.

②

5. Draw a rhombus on the piece of squared paper below.



③