

## Exercise 1 – 8, 10 – 15

Strand	Assessment Focus	Question	Mark
Number	<ul style="list-style-type: none"> <li>✦ Multiplication</li> <li>✦ Divisibility</li> <li>✦ Multiples and factors</li> <li>✦ Common multiples and common factors</li> </ul>	1 – 18	/21
Shape and Space	<ul style="list-style-type: none"> <li>✦ Rhombuses</li> <li>✦ Relations among quadrilaterals</li> <li>✦ Dissecting and forming shapes</li> <li>✦ The eight directions</li> </ul>	19 – 28	/15
Data Handling	<ul style="list-style-type: none"> <li>✦ Bar charts</li> </ul>	29	/6

## Self-grading

32 – 42 marks 22 – 31 marks 0 – 21 marks 

## Marking record



1 Mark



1 Mark



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1. Which of the following numbers is a multiple of 12?

- A. 1                      ○ B. 4                      ○ C. 24                      ○ D. 32

2. How many factors does 27 have?

Answer: \_\_\_\_\_

3. The first 5 multiples of  $P$ : 6, 12, 18, 24, 30The first 5 multiples of  $Q$ : 8, 16, 24, 32, 40What is the least common multiple (L.C.M.) of  $P$  and  $Q$ ?

- A. 6                      ○ B. 8                      ○ C. 12                      ○ D. 24

4. The highest common factor (H.C.F.) of 36 and 90 is \_\_\_\_\_.

5. When 530 is divided by 16, the quotient is \_\_\_\_\_ and the remainder is \_\_\_\_\_.

6.  $9 \times 125 \times 8 =$  \_\_\_\_\_7.  $65 \times 43 =$  \_\_\_\_\_8.  $80 \div 16 =$  \_\_\_\_\_



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9. The prime number closest to 35 is \_\_\_\_\_.

10. 450 students in Classroom Primary School attend a lecture in the hall. There are 24 seats in each row of the hall. At least \_\_\_\_\_ rows are needed for all students.

11. Which of the following number(s) is/are divisible by 3? (Circle the answer(s))

214

324

507

116

938

12.

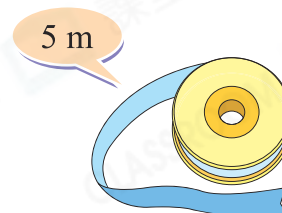


The price of a correction pen is 5 times that of a rubber. If the stationery shop sold 26 correction pens, the shop would earn \_\_\_\_\_ dollars.

13. 73 cm of ribbons are needed to wrap a present.

(a) This roll of ribbons can wrap at most \_\_\_\_\_ presents.

(b) 14 cm of ribbons are needed to make a bowknot. After wrapping the presents, the remaining ribbons can make at most \_\_\_\_\_ bowknots.



14. Which of the following numbers is divisible by both 2 and 5?

○ A. 210      ○ B. 135      ○ C. 117      ○ D. 48

15. There are 243 adults swimming in the swimming pool today. What is the total admission fee for the adults? (Show your working)

**Swimming Pool Admission Fee**

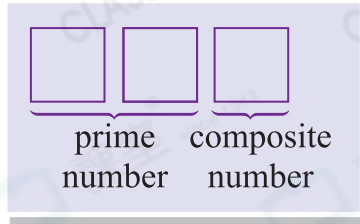
Adult: \$19

Child: \$9



16. The figure on the right is a three-digit password. It is formed by a two-digit prime number and a one-digit composite number. Which of the following can be the password?

- A. 312
- B. 209
- C. 171
- D. 119



17. The stamp vending machine sells 32 stamps every hour on average. \_\_\_\_\_ stamps are sold in a day.

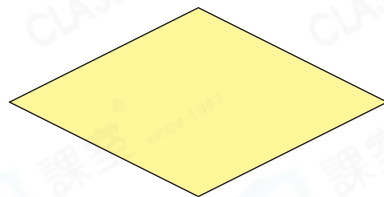


18. What is the 15<sup>th</sup> common multiple of 18 and 32?

Answer: \_\_\_\_\_



19.



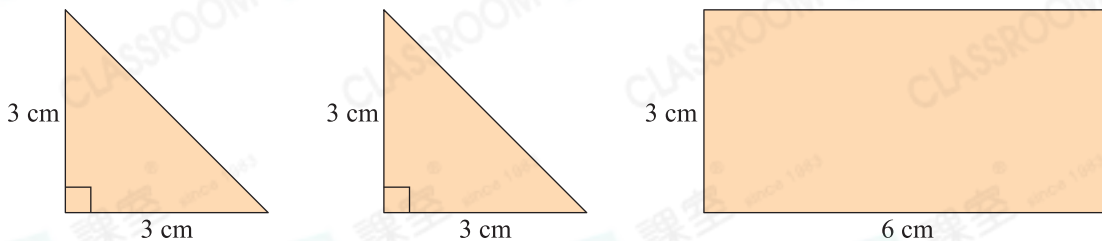
Charlie dissects the above rhombus into two identical shapes. Which of the following shapes can he get? Write the letter(s) for the answer.

- A. Isosceles triangles
- B. Rectangles
- C. Parallelograms
- D. Trapeziums

Answer: \_\_\_\_\_



20.

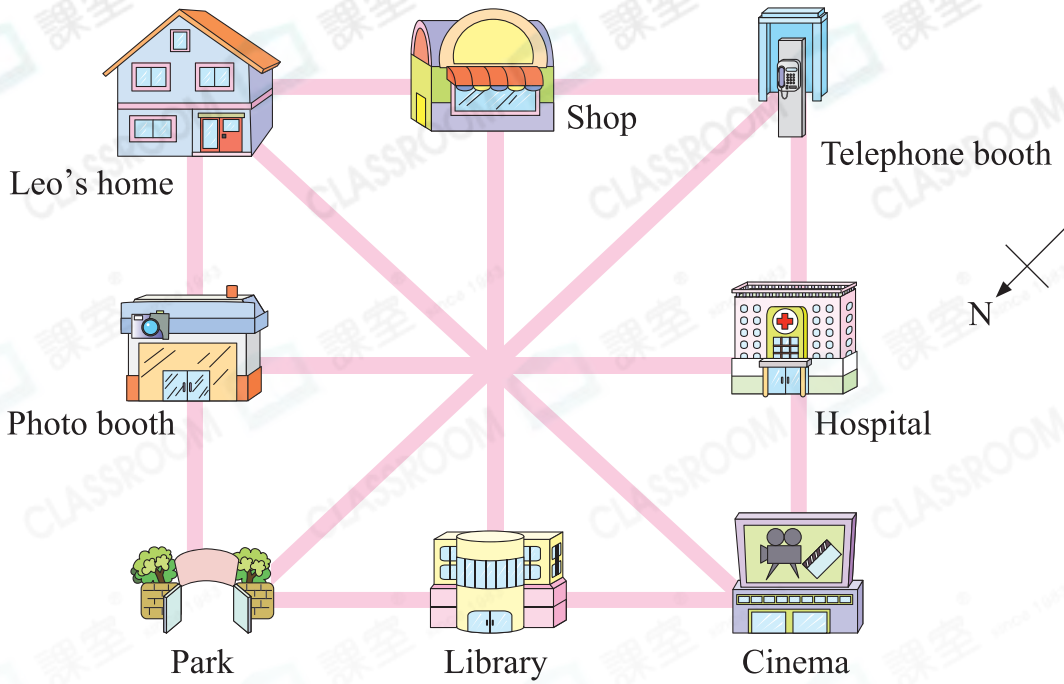


Sasha has two identical triangular cards and a rectangular card, as shown above. Which of the following shapes **cannot** be formed by these three cards?

- A. Square
- B. Rectangle
- C. Trapezium
- D. Parallelogram



21.



- (a) The telephone booth is to the \_\_\_\_\_ of the cinema.
- (b) Gary walks towards \_\_\_\_\_ from the hospital to reach the photo booth.
- (c) Leo leaves home for the library. He should first walk northwest to the \_\_\_\_\_. Then he should turn \_\_\_\_\_ to reach the library.



1 Mark



1 Mark



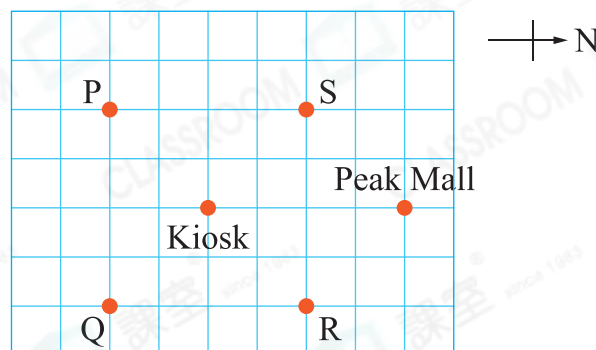
1 Mark



1 Mark

22. After turning right by one right angle, the right hand side of Ann is southeast. She was facing \_\_\_\_\_ originally.

23.



Mandy went hiking with her family. Their destination was the Peak Mall. After walking for a while, they found that the kiosk was to their southeast. They were at point ☆ P / Q / R / S (☆ circle the answer) at that time.

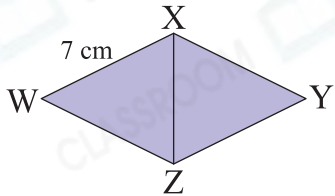


1 Mark

24. Which of the following is **not** a property of a rhombus?

- A. The four sides are equal in length.
- B. The four angles are equal.
- C. Two pairs of opposite sides are equal in length.
- D. Opposite sides are parallel.

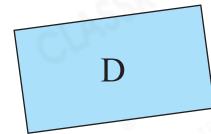
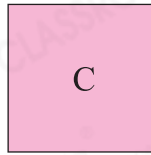
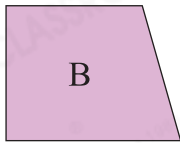
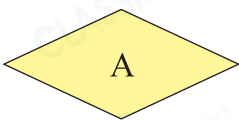
25.



The figure on the left is a rhombus.

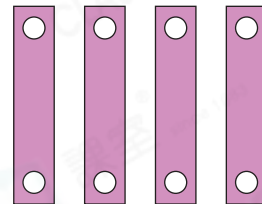
- (a) WZ and \_\_\_\_\_ are parallel.
- (b) After dissecting this rhombus along XZ, two equilateral triangles are formed. The length of XZ is \_\_\_\_\_ cm.

26. Look at the figures below. Write down the letters for the answers.

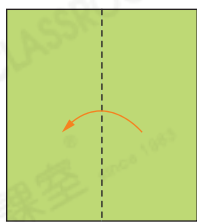


- (a) All rhombuses: \_\_\_\_\_
- (b) All parallelograms: \_\_\_\_\_

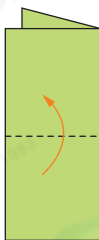
27. A \_\_\_\_\_ or a \_\_\_\_\_ can be formed by the geo-strips on the right.



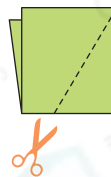
28.



Fold in half



Fold in half again



Cut along the dotted line

As shown above, after folding the rectangular paper twice and cutting it along the dotted line, what kind of quadrilateral is obtained?

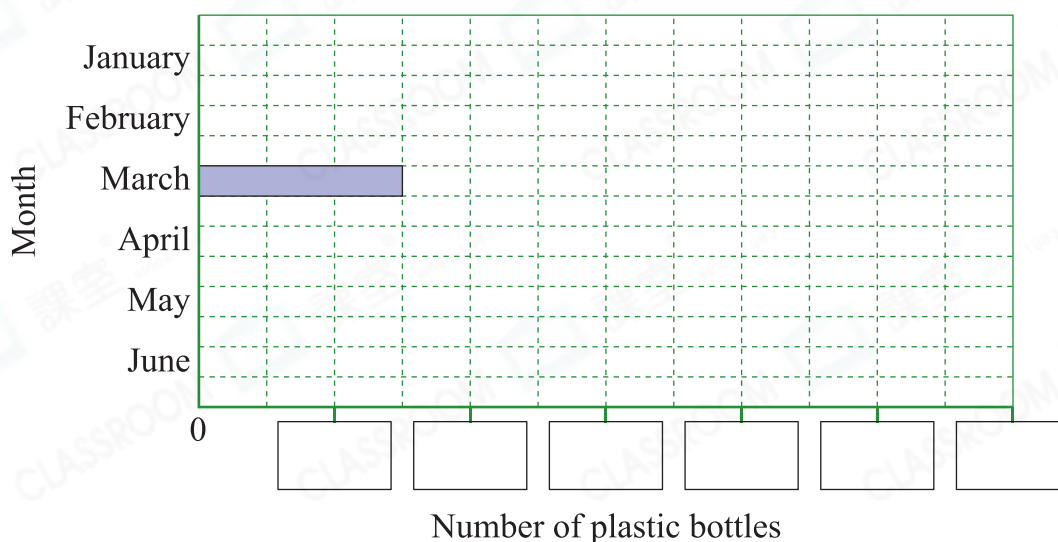
Answer: \_\_\_\_\_

29. The table below shows the number of plastic bottles recycled in the first half year at school.

Month	January	February	March	April	May	June
Number of plastic bottles	599	296	147	352	551	198
Rounded to the nearest ten						

- (a) Round the number of plastic bottles recycled to the nearest ten and complete the above table.
- (b) According to the rounded data, complete the bar chart below.

Number of plastic bottles recycled in the first half year at school



Answer the following questions according to the bar chart.

- (c) The number of plastic bottles recycled in February is about 2 times that in \_\_\_\_\_.
- (d) Dora thinks that the number of plastic bottles recycled in the first quarter is less than that in the second quarter. Do you agree? Explain.

Answer: Because \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I  agree / disagree (  circle the answer) with Dora.



Check your work

- All questions finished
- Answers checked



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark



1 Mark