

Analysis of Exam Questions

• Number Strand

1. Which of the following has 56 as a factor?

- A. 7 B. 28
 C. 116 D. 224

Scoring Key

- ⊗ Eliminate the numbers smaller than 56.
- ⊗ Find the number divisible by 56 from the rest.

2. If 9 is a common factor of 45 and ♥, which of the following numbers can be ♥?

- A. 3 B. 15
 C. 72 D. 106

Scoring Key

- ⊗ 9 is a factor of ♥.

3. Among all multiples of 16, which one is nearest to 270?

- A. 256 B. 260
 C. 271 D. 272

Scoring Key

- ⊗ Eliminate the options which are not multiples of 16.
- ⊗ Find the number nearest to 270 from the rest.

4. What is the product of the smallest 3-digit odd number and the greatest 2-digit even number?

Answer: _____

Scoring Key

- ⊗ Find 'the smallest 3-digit odd number' and 'the greatest 2-digit even number' first.

5. At least how much should be added to 373 to make it divisible by 2 and 3?

- A. 0 B. 2
 C. 5 D. 11

Scoring Key

- ⊗ The result of ' $373 + *$ ' must be an even number, and the sum of all digits of it must be divisible by 3.
- ⊗ Pay attention to the word 'at least'.

6. Diligence Pharmacy plans to give away 25 surgical masks every day. At least how many days are needed for the pharmacy to finish giving away 362 surgical masks?

Answer: At least _____ days are needed.

Scoring Key

- ⊗ Be careful of handling the remainder.

7. Tom can skip rope 65 times every minute. From 11:58 a.m. to 12:10 p.m., how many times can he skip in total?

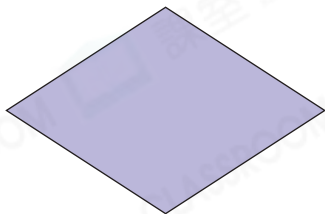
Blank space for the answer.

Scoring Key

- ⊗ Find out how many minutes have passed from 11:58 a.m. to 12:10 p.m.
- ⊗ The answer needs:
 - Expression
 - Answer
 - Presentation

Shape and Space Strand

8.

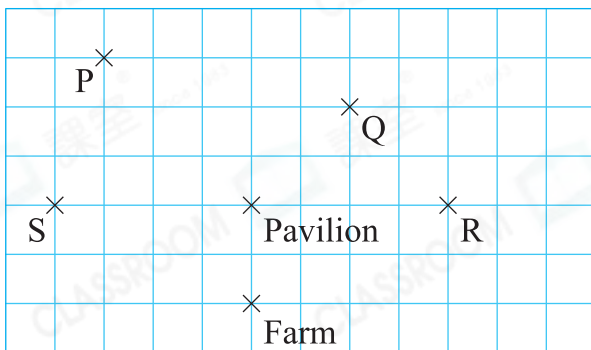


The above figure is a ☆ square / trapezium / rhombus . (☆ Circle the answer)
 It has _____ pair(s) of opposite sides parallel and _____ sides equal in length.

Scoring Key

- ⊗ Determine the type of quadrilateral.
- ⊗ Fill in blanks according to the properties of the quadrilateral.

9.



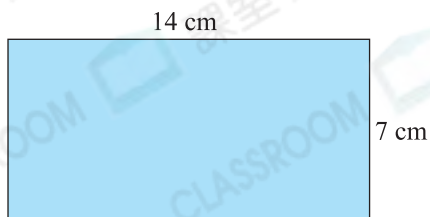
Scoring Key

- ⊗ Use backward reasoning to find which direction is Mary from the pavilion.
- ⊗ Move the compass sign to the pavilion.

Mary went sightseeing in a country park with her family. They wanted to go to the farm to pick fruits. After walking for a while, Mary found that the pavilion was southwest from them. What was their location at that time?

- A. Point P
- B. Point Q
- C. Point R
- D. Point S

10.



The above figure is a rectangle. If it is dissected into two identical shapes, two ☆ squares / isosceles triangles / trapeziums can be formed.

(☆ Circle the answer(s))

Scoring Key

- ⊗ Pay attention to the length and width of the rectangle.
- ⊗ Try to draw a straight line to show the method of dissection.

Data Handling Strand

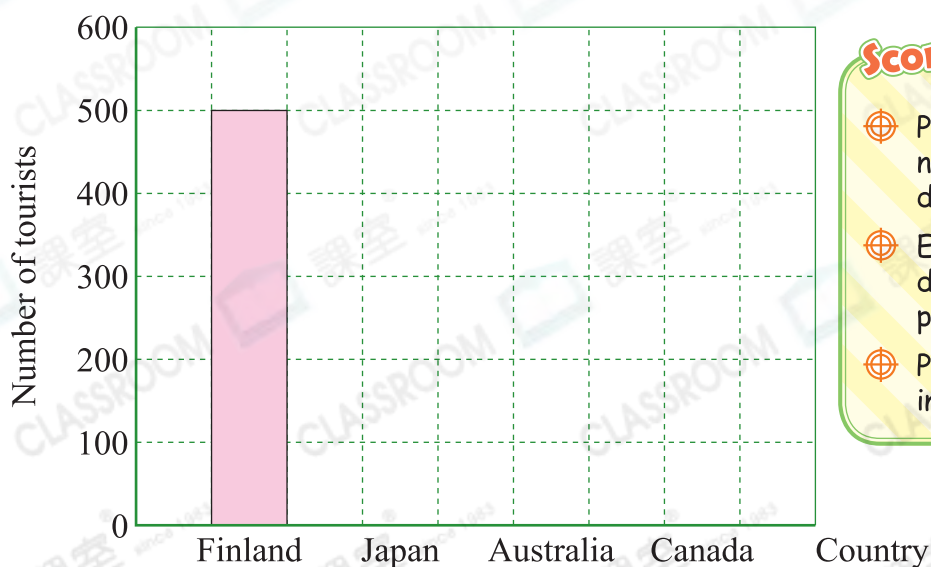
11. The table below shows the number of tourists applying for overseas trip in Yes Travel Agency in February.

Countries	Finland	Japan	Australia	Canada
Number of tourists	492	611	388	234
Rounded to the nearest hundred				

(a) Round the number of tourists to the nearest hundred to complete the table.

(b) Using the rounded data, finish the bar chart below and add a title.

(Title)



Scoring Key

- ⊗ Pay attention to the number of tourists each division represents.
- ⊗ Each bar should be drawn in the suitable place.
- ⊗ Poor drawings will result in mark deduction.