iOM

International Olympiad of
Mathematics

Presented by:
SILVERZONE FOUNDATION
NEW DELHI · INDIA

Organized by:
Silverzone Foundation
New Delhi, India
For supremacy in Mathematics
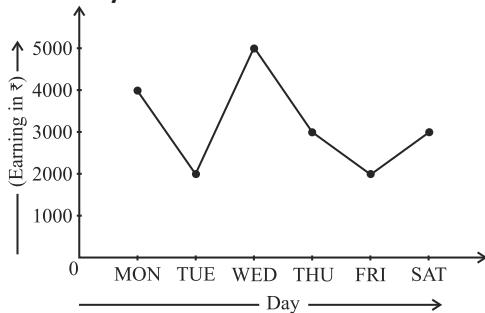www.silverzone.org

CLASS : 4 (SYLLABUS & SAMPLE QUESTIONS)

The Actual Question Paper Contains 30 Questions. The Duration of the Test Paper is 40 Minutes.

1. Which pair of numbers best completes the mathematical statement given below?

$13 + \boxed{} - 7 = \bigcirc$

(A) $\boxed{8}$ and $\bigcirc\!\!13$ (B) $\boxed{8}$ and $\bigcirc\!\!14$

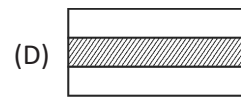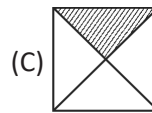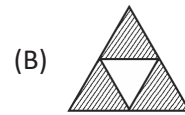(C) $\boxed{9}$ and $\bigcirc\!\!18$ (D) $\boxed{9}$ and $\bigcirc\!\!14$

2. The given line graph represents daily earning of a store for six days.
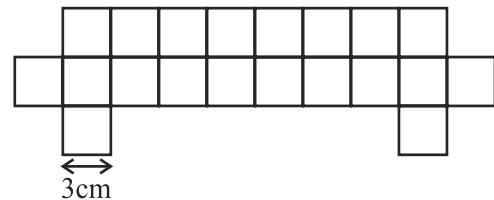

On which day, the earning was equal to the total earnings of Tuesday and Thursday?
(A) Monday (B) Wednesday
(C) Friday (D) Saturday

3. The missing digit in the given multiplication is:

$$1\ \boxed{?}\ 7\ 3$$
$$\times\ 6$$
$$\overline{8\ 8\ 3\ 8}$$

(A) 8 (B) 4
(C) 2 (D) 6

4. Roman numerals XL is same as:
(A) 100 + 40 (B) 60 − 10
(C) 100 − 40 (D) 100 − 60

5. In which one of the following figures, the fraction represented by the shaded parts is equal to $\frac{1}{3}$?
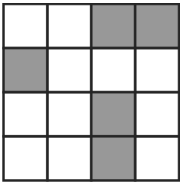
(A)   (B)

(C)   (D)

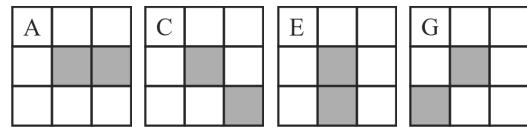**6.** What is the perimeter of the given figure?

3cm

(A) 74 cm (B) 86 cm
(C) 84 cm (D) 92 cm

7. If the cost of 9 metres long electric wire is ₹40.50, then the cost of 5 metres long such wire will be:
(A) ₹ 22.50 (B) ₹ 32.50
(C) ₹ 18.50 (D) ₹ 20.50

8. If two angles of a triangle are 42° and 47°, then the triangle is a/an:
(A) acute-angled triangle.
(B) obtuse-angled triangle.
(C) right-angled triangle.
(D) isosceles triangle.

9. Minimum how many more unit squares must be shaded so that the given figure has at least one line of symmetry?

(A) 0   (B) 1

(C) 2   (D) 3

10. What comes next in the given figure pattern?

(A)   (B)

(C)   (D)