12th *iOM* ▼ 19
International Olympiad of
Mathematics
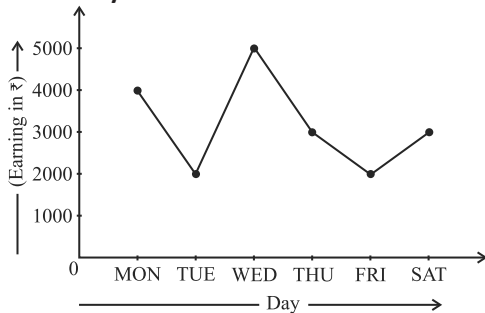
CLASS : 4 (SYLLABUS & SAMPLE QUESTIONS)

The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 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

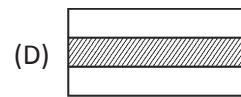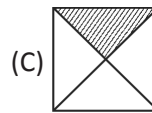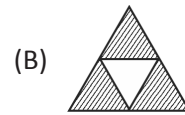**3.** The missing digit in the given multiplication is:

$$\begin{array}{r} 1\ \boxed{?}\ 7\ 3 \\ \times\ 6 \\ \hline 8\ 8\ 3\ 8 \end{array}$$

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

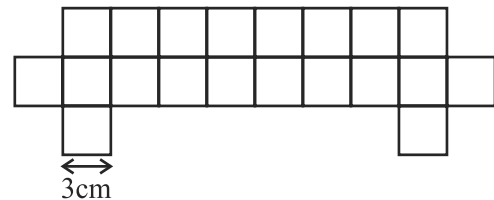**4.** Roman numerals XL is same as:
(A) 100 + 40   (B) 60 – 10
(C) 100 – 40   (D) 100 – 60

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
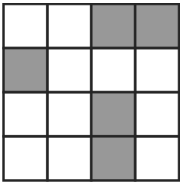(C) 84 cm   (D) 92 cm

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

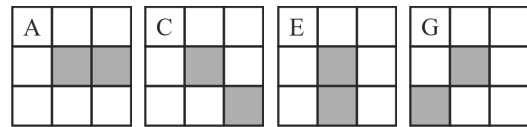**8.** If two angles of a triangle are 42° and 47°, then the triangle is a/an:
(A) acute-angled triangle.
(B) obtuse-angled triangle.
(C) right-angled triangle.
(D) isosceles triangle.

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, C, E, G figures

(A) ... H

(B) ... I

(C) ... I

(D) ... J

ANSWERS

1. (B)	2. (B)	3. (B)	4. (D)	5. (D)	6. (C)	7. (A)	8. (B)	9. (C)	10. (B)