Global Math Olympiad

$$\frac{5}{6} < \frac{6}{7}$$

II. $\frac{24}{25} < \frac{29}{30}$

III. $\frac{3}{4} + \frac{7}{6} < \frac{15}{7}$

(A)   I and II only   (B)   II and III only

(C)   I and III only   (D)   I, II and III

(E)   None of these

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2. The column graph shows the sale of story books in a bookshop for the first 6 months.

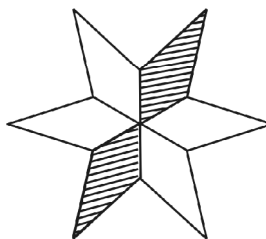Number of story books sold
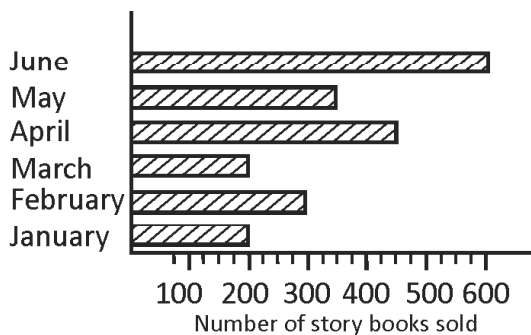
In which month was the sale of story books 75% of the sale of books in June ?

(A)   February   (B)   March

(C)   April   (D)   May

(E)   None of these

3. Express 63 in Roman numeral.

(A) $\overline{XXXXXX}III$

(B) $\overline{XLV}$

(C) $\overline{XXIX}$

(D) $\overline{XL}$
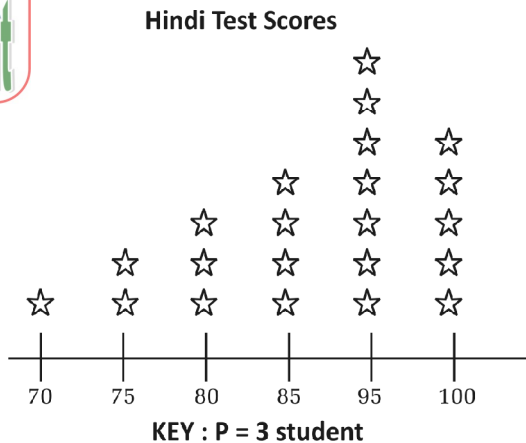
(E) $\overline{LXIII}$

4. What fraction of the figure below is shaded ?

(A) $\frac{1}{4}$

(B) $\frac{2}{4}$

(C) $\frac{2}{6}$

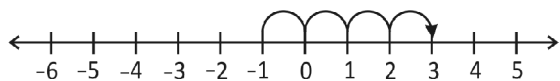(D) $\frac{4}{6}$

(E)   None of these

5. The line plot below shows how students scored on last week's Hindi test.

Hindi Test Scores

KEY : P = 3 student

How many students scored more than 74 but less than 96 marks?

(A) 44 students (B) 48students
(C) 18 students (D) 21 students
(E) None of these

**6.** Write the integer which is represented on number line.

(A) 4 more than – 1
(B) 3 more than 5
(C) 5 less than 3
(D) 2 less than – 3
(E) 5 less than 7

7. In the following frequency table replace P, Q, R and S by choosing correct option.

Data	Tally Marks	Frequency
5	II	P
6	IIII	4
7	Q	7
8	IIII	R
9	II	2
10	II	S

(A) (P) – 2, (Q) ℍℍ II, (R) 5 and (S) 2
(B) (P) – 5, (Q) IIIIIII, (R) 4 and (S) 3
(C) (P) – 3, (Q) ℍℍ (R) 8 and (S) 1
(D) (P) 5, (Q) II, (R) 0 and (S) 5
(E) None of these

8. Find the perimeter of the given figure is?
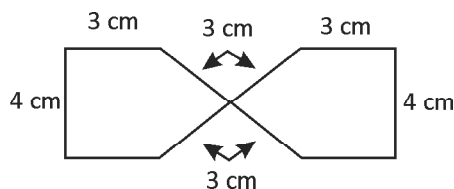
(A) 40 cm (B) 41 cm
(C) 32 cm (D) 48 cm
(E) None of these

9. A bank gives its credit card holders four points for every Rs 75spent. Steve earned 36 points. How much did he spend ?

(A) Rs 375 (B) Rs 450
(C) Rs 525 (D) Rs 600
(E) Rs 675

10. $13 + [-4 + \{5 + 3(7-6) \times 5\} + 2] = ?$

(A) 21 (B) 31
(C) 27 (D) 33
(E) None of these

11. In a mathematics test of 100 marks, the marks scored by 6 students are the following: 55, 67, 84, 95, 85 and 46. Find their average marks.

(A) 82 marks (B) 62 marks
(C) 52 marks (D) 72 marks
(E) None of these

12. Observe the following pattern:

$2 + 4 = 6$
$2 + 4 + 6 = 12$
$2 + 4 + 6 + 8 = 20$
$2 + 4 + 6 + 8 + 10 = 30$

Find the value of

$2 + 4 + 6 + 8 + \ldots + 30$ is given by:

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(A)   230   (B)   240
(C)   250   (D)   260
(E)   270

13. The LCM of two numbers is 144 and their HCF is 8. If one number is 18, then the other number will be
(A)   12   (B)   4
(C)   64   (D)   16
(E)   None of these

14. If two angles are complementary to each other then find the value of each angle.
(A)   45°   (B)   60°
(C)   90°   (D)   50°
(E)   None of these

15. If 6(x + 2) -2x = 18 + 3x then find the value of x.
(A)   4   (B)   6
(C)   8   (D)   12
(E)   None of these

ANSWERS															
1.	(A)	2.	(C)	3.	(E)	4.	(C)	5.	(B)	6.	(A)	7.	(A)	8.	(C)
9.	(E)	10.	(B)	11.	(D)	12.	(B)	13.	(C)	14.	(A)	15.	(B)		