

12th iOM' 19

International Olympiad of Mathematics



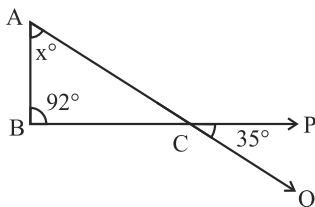
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CLASS : 5 SAMPLE QUESTIONS

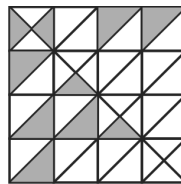
The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 Minutes.

- If $A - B = 10$, $B - C = 2$ and $C - D = 4$, then the value of $\frac{A - D}{2}$ is:
(A) 5 (B) 6 (C) 7 (D) 8
- The difference of H.C.F. and L.C.M. of the numbers 12 and 16 is:
(A) 42 (B) 36 (C) 44 (D) 48
- Which one of the following numbers is *not* divisible by 6 and 9 both?
(A) 436572 (B) 652734
(C) 563428 (D) 752436
- If we cut a cube whose length is 30 cm long, into 150 smaller cubes of equal volume, the volume of each smaller cube will be:
(A) 60 cm^3 (B) 180 cm^3
(C) 210 cm^3 (D) 240 cm^3
- If 16 men can do a piece of work in 18 days, then in how many days will 12 men complete it?
(A) 18 days (B) 24 days
(C) 28 days (D) 20 days
- When a decimal number X is converted into fraction, it gives $\frac{25}{4}$. Find the value of X.
(A) 6.50 (B) 6.25 (C) 6.35 (D) 7.25
(E) None of these
- In the given figure, determine the value of x.



- (A) 51 (B) 49 (C) 53 (D) 57

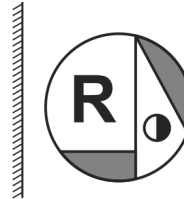
- The reciprocal of fraction represented by the shaded parts in the given figure is:



- (A) 4 (B) 3 (C) 2 (D) 6

- If $\square = 72.08 \text{ g} + \triangle + \triangle$, and $\square + \square + \square = 318.36 \text{ g}$, then $\square - \triangle = \underline{\hspace{2cm}}$.
(A) 83.20 g (B) 86.80 g
(C) 79.04 g (D) 89.10 g

- Find the mirror image of the given figure.



Mirror

- (A)
- (B)
- (C)
- (D)

ANSWERS

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