

# International Olympiad of Mathematics



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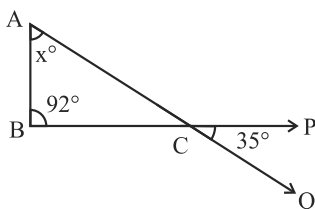
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## CLASS : 5 SAMPLE QUESTIONS

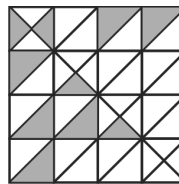
The Actual Question Paper Contains 30 Questions. The Duration of the Test Paper is 40 Minutes.

- 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)  $60 \text{ cm}^3$  (B)  $180 \text{ cm}^3$   
(C)  $210 \text{ cm}^3$  (D)  $240 \text{ cm}^3$
- 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:



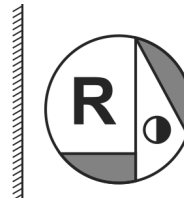
- (A) 4 (B) 3 (C) 2 (D) 6

- If  $\square = 72.08 \text{ g} + \triangle + \triangle$ , and  $\square + \square +$

$$\square = 318.36 \text{ g}, \text{ then } \square - \triangle = \underline{\hspace{2cm}}.$$

- (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)