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International Olympiad of Mathematics



CLASS : 5 SAMPLE QUESTIONS

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

1. 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
2. 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
3. Which one of the following numbers is *not* divisible by 6 and 9 both?
 (A) 436572 (B) 652734
 (C) 563428 (D) 752436
4. 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
5. 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
6. 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
7. In the given figure, determine the value of x.

 (A) 51 (B) 49 (C) 53 (D) 57
8. The reciprocal of fraction represented by the shaded parts in the given figure is:

 (A) 4 (B) 3 (C) 2 (D) 6
9. If $\square = 72.08 \text{ g} + \triangle + \triangle$, and $\square + \square = 318.36 \text{ g}$, then $\square - \triangle = \underline{\hspace{2cm}}$.
 (A) 83.20 g (B) 86.80 g
 (C) 79.04 g (D) 89.10 g
10. Find the mirror image of the given figure.

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

ANSWERS

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