

Test Algebra prep 2 First term

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Answer the following questions :

1 Choose the correct answer :

- 1 The mode of the values : 5 , 6 , 7 , 7 is
- (a) 1 (b) 6 (c) 5 (d) 7
- 2 If $\sqrt[3]{x} = 4$, then $x =$
- (a) 4 (b) 16 (c) 64 (d) 12
- 3 A cube with edge length 6 cm. , then its total area is cm^2
- (a) 144 (b) 36 (c) $6\sqrt{6}$ (d) 216
- 4 $[2, 5] - \{5\} =$
- (a) $[2, 5[$ (b) $\emptyset$ (c) $]2, 5[$ (d) $\{2\}$
- 5 The slope of the straight line passing through (2 , 4) and (4 , 6) is
- (a) -1 (b) 1 (c) 7 (d) zero
- 6 The greatest integer number non-positive is
- (a) 1 (b) -1 (c) zero (d) $-\infty$

2 Complete :

- 1 The centre of a set is 10 and its upper limit is 12 , then its lower limit is
- 2 If $x = \sqrt{5} + 2$, $y = \sqrt{5} - 2$, then $(x + y)^2 =$
- 3 If (a , 3 a) satisfies the relation : $2x + y = 15$, then a =
- 4 The median of the values : 17 , 14 , 19 , 4 and 10 is
- 5 The dimensions of a cuboid are $\sqrt{5}$ cm. , $\sqrt{2}$ cm. and $\sqrt{10}$ cm. , then its volume = cm^3
- 6 The slope of any straight line parallel to X-axis is