

1. $(-3)^2 + (-2)^2$ is equal to
 (A) -13
 (B) -10
 (C) 13
 (D) 25
2. What percentage of 40 is 8?
 (A) 5%
 (B) 20%
 (C) 32%
 (D) 150%
3. If $235 \times 48.7 = 11\,444.5$, then
 $23.5 \times 0.487 =$
 (A) 11.4445
 (B) 114.445
 (C) 1 144.45
 (D) 11 444.4
4. Using the distributive property,
 $49 \times 17 + 49 \times 3 =$
 (A) 49×20
 (B) $49 + 20$
 (C) 52×66
 (D) $52 + 66$
5. A test was marked out of 80. A boy scored 60% of the marks on the test. How many marks did he score?
 (A) 20
 (B) 48
 (C) 60
 (D) 75
6. Dan sold 40 concert tickets in 5 days. Each day he sold 3 tickets MORE than the previous day. The number of tickets he sold on the third day is
 (A) 8
 (B) 9
 (C) 10
 (D) 11
7. Which of the following sets is defined by $\{x \in \mathbb{Z} : -2 \leq x \leq 4\}$?
 (A) $\{1, 2, 3, 4\}$
 (B) $\{0, 1, 2, 3, 4\}$
 (C) $\{-1, 0, 1, 2, 3\}$
 (D) $\{-2, -1, 0, 1, 2, 3, 4\}$
8. If $Q = \{a, b, c\}$, how many subsets can be obtained from the set Q ?
 (A) $2 + 3$
 (B) 2×3
 (C) 3^2
 (D) 2^3
9. The set of positive integers is an example of
 (A) a finite set
 (B) an empty set
 (C) an infinite set
 (D) an improper set
10. If $n(U) = 25$, $n(A) = 14$, $n(B) = 15$ and $n(A \cap B) = 6$, then $n(A \cup B)$ is
 (A) 2
 (B) 19
 (C) 23
 (D) 29

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