

Aptitude Drills

Try these in 12 minutes without notes. Answers are below the divider.

1. A price is increased by 25% and then discounted by 20%. What is the net change?
2. $A:B = 3:5$ and $B:C = 10:7$. Find $A:B:C$.
3. Twelve workers finish a task in 15 days. How many days will nine equally efficient workers take?
4. A 120 m train crosses a pole in 6 seconds. What is its speed in km/h?
5. The average of 8 numbers is 15. If 24 is added as a ninth number, what is the new average?
6. A mixture has 10 litres of acid in 40 litres total. If 10 litres water is added, what is the acid percentage?
7. All developers are learners. Some learners are testers. Which follows? A: Some developers are testers.
B: No developer is a tester. C: Neither conclusion necessarily follows.
8. A person walks 4 km north, 3 km east and 4 km south. In which direction is the person from the start?
9. Choose the correct sentence. A: Neither of the answers are correct. B: Neither of the answers is correct.
10. Fill the article: She is ___ honest employee.
11. Find the next term: 3, 8, 15, 24, 35, ___.
12. If 20% of $x = 30$, find x .

Answers and shortest methods

1. 0%. Use $100 \rightarrow 125 \rightarrow 100$.
2. 6:10:7. Multiply 3:5 by 2.
3. 20 days. Worker-days = $12 \times 15 = 180$; $180/9 = 20$.
4. 72 km/h. Speed = $120/6 = 20$ m/s; multiply by 18/5.
5. 1. Total = $8 \times 15 + 24 = 144$; $144/9 = 16$.
6. 20%. Acid is unchanged: 10/50.
7. C. Some learners being testers does not force any developer to be a tester.
8. East.
9. B. "Neither" is treated as singular in this construction.
10. an.
11. 1. Differences are +5, +7, +9, +11, then +13.
12. 150.

Log any wrong/guessed answer in `[[10_Templates/Error_Log|Error log]]`.