

Basic MPT Sample Questions

Attempt each question and select one answer from the list of 5 answers given.

Circle your answer on the Answer Sheet you have printed.

Check your answers on the Answer Key.

1. $378.2 - 78.56 =$

- (a) 299.64 (b) 300.64 (c) 299.36 (d) 300.36 (e) 298.34

2. $15.9 \times 7.02 =$

- (a) 114.48 (b) 105.18 (c) 111.618 (d) 111.6 (e) 111618

3. $(-3)(2)(-7) =$

- (a) 8 (b) -42 (c) -126 (d) 42 (e) 126

4. Round 612.3679 to the nearest tenth.

- (a) 612.4 (b) 610 (c) 600 (d) 612.3 (e) 612

5. $\frac{7}{4} + \frac{3}{8} =$

- (a) $\frac{6}{100}$ (b) $\frac{17}{8}$ (c) $\frac{60}{100}$ (d) $\frac{10}{12}$ (e) $\frac{5}{6}$

6. $7\frac{1}{4} - 5\frac{5}{12} =$

- (a) $2\frac{5}{6}$ (b) $-\frac{11}{6}$ (c) $12\frac{2}{3}$ (d) $2\frac{1}{6}$ (e) $1\frac{5}{6}$

7. $\frac{3}{6} \times \frac{8}{9} =$

- (a) $\frac{11}{36}$ (b) $\frac{4}{3}$ (c) $\frac{11}{15}$ (d) $\frac{4}{9}$ (e) $\frac{4}{3}$

8. $\frac{8}{5} \div 4 =$

- (a) $\frac{2}{5}$ (b) $\frac{32}{5}$ (c) $\frac{32}{10}$ (d) $\frac{32}{20}$ (e) $\frac{8}{5}$

9. Convert $\frac{3}{5}$ to decimal notation.

- (a) 60% (b) $\frac{6}{100}$ (c) $\frac{6}{10}$ (d) 0.3 (e) 0.6

10. Convert 12.9% to decimal notation.

- (a) 0.13 (b) 0.129 (c) 12.9 (d) 13% (e) 0.12

11. Your boss raises your wages from \$8 per hour to \$10 per hour. What percentage increase is this?

- (a) 20% (b) 80% (c) 2% (d) 25% (e) $\frac{1}{4}\%$

12. If you score 27 out of 60 on a test, what is your test score as a percentage?

- (a) $\frac{9}{20}\%$ (b) 45% (c) .45% (d) $\frac{20}{9}\%$ (e) 50%

13. You are in the corner store and see the following price signs for a chocolate bar. Which is obviously incorrect?

- (a) \$0.69 (b) 69¢ (c) .69¢ (d) none of these (e) all of these

14. If $x = 3$ and $y = -2$, evaluate $2xy + y^2$

- (a) -4 (b) 12 (c) -12 (d) 8 (e) -8

15. Solve the equation: $5x + 7 = 2x - 3$

- (a) $x = \frac{4}{7}$ (b) $x = \frac{10}{3}$ (c) $x = -\frac{10}{3}$ (d) $x = -\frac{5}{2}$ (e) $x = \frac{4}{3}$

16. Simplify: $2(3x - y) - x - 4(x - 2y)$

- (a) $x + 6y$ (b) $x - 10y$ (c) $9x + 6y$ (d) $2x + 6y$ (e) $5x - 3y$

17. $\sqrt{9+16} =$

- (a) 7 (b) 25 (c) 5 (d) 12 (e) undefined

18. Three more than six times a number is 10. Which equation can be used to solve this problem?

- (a) $3x-6=10$ (b) $6+3x=10$ (c) $6x=13$ (d) $6(x+3)=10$ (e) $3+6x=10$

19. Your average on three tests is 60%. If your grade on a fourth test is 70%, what is your new average?

- (a) 68% (b) 63% (c) 65% (d) 62.5% (e) none of these

20. Tom, Dick and Harry are to share \$100. Tom and Dick are given an equal amount of money and Harry is given \$54. How much money is given to Tom?

- (a) \$54 (b) \$23 (c) \$46 (d) \$27 (e) \$154

Check your answers on the Answer Key.

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