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. \( \frac{7\frac{1}{4}}{5\frac{5}{12}} = \)
   (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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