Level A - Form 1 - Mathematics Computation: Algebraic Operations

Sample Question

$3 \times 10^3 =$

A 0.03
B 0.003
C 300
D 3,000
E None of these

Level A - Form 1 - Mathematics Computation: Algebraic Operations

1. $10^3 \times 10^2 =$

A 10,000
B 1,000
C 600
D 5,000
E None of these

2. $x + 3x(x + y) =$

F $x + 3x^2 + 3xy$
G $4x^2 + y$
H $5x + y$
J $3x^3 + 3xy$
K None of these

3. $\sqrt{64} =$

A 8
B 32
C 16
D 4
E None of these

4. $\sqrt{36} + \sqrt{16} =$

F 10
G 52
H 32
J 14
K None of these

5. Solve for y.

$y - 3 = 2$

A $y = 1$
B $y = 6$
C $y = -1$
D $y = 5$
E None of these

6. $3x + 4y + 2x - y =$

F $5x^2 + 4$
G $5x + 3y$
H $5x + 4y$
J $9x^2$
K None of these

7. Solve for b.

$10b - 3 = 27$

A $b = 300$
B $b = 3$
C $b = 14$
D $b = 2.4$
E None of these

8. $3^3 + 2^3 =$

F 5^6
G 5^3
H 15
J 35
K None of these

9. $\frac{3m^2 - m^2}{3m} =$

A $2m$
B m
C $\frac{2}{3}m$
D $\frac{m}{3}$
E None of these

10. $\sqrt{256} - \sqrt{144} =$

F 56
G 28
H $\sqrt{112}$
J 4
K None of these

11. $6x^3 + 3x^2 - 2x^3 =$

A $7x^2$
B $4x^3 + 3x^2$
C $8x^3 + 3x^2$
D $7x$
E None of these

12. $\sqrt{9} + \sqrt{121} =$

F 65
G 14
H $\sqrt{130}$
J 20
K None of these

13. $2\sqrt{64}$

A 32
B 8
C 16
D 10
E None of these

14. Solve for r.

$5r + 3r = 56$

F $r = 48$
G $r = 28$
H $r = 8$
J $r = 7$
K None of these

15. $2^2 \times 10^4 =$

A 4,000
B 40,000
C 160
D 120
E None of these

16. $8m - m =$

F 8
G $7m$
H $-8m$
J 7
K None of these

17. Solve for x.

$\frac{x+4}{16} = 2$

A $x = 28$
B $x = 12$
C $x = 18$
D $x = 36$
E None of these

18. $10^5 \div 10^2 =$

F 1,000
G 100
H $\frac{2}{5}$
J $2\frac{1}{2}$
K None of these

19. $5^2 \times 2^4 =$

A 10^6
B 80
C 400
D 10^8
E None of these

20. Solve for z.

$5z - 12 = 18$

F $z = 30$
G $z = 150$
H $z = 8$
J $z = 6$
K None of these