

**Question 1**

$2.7 + 4.8 = ?$

- a. 7.5
- b. 1
- c. 6.2
- d. 6.7

**Question 2**

$3.2 \div 3 = ?$

- a. 1.07
- b. 0.6
- c. 0.62
- d. 1.03

**Question 3**

A trapezoid has a top base of 4 inches, bottom base of 6 inches, and height of 5 inches. What is the area of the trapezoid in square inches?

- a. 32
- b. 48
- c. 25
- d. 24

**Question 4**

$6.28 + 1.8 = ?$

- a. 8.08
- b. 7.78
- c. 2.68
- d. 1.48

**Question 5**

$-3.5 \times -1.2 = ?$

- a. 4.2
- b. -4.2
- c. 4.1
- d. 4.3

**Question 6**

$(4 + 1.3) \times 2.1 = ?$

- a. 11.13
- b. -11.13
- c. 0.1113
- d. 111.3

**Question 7**

The formula to determine the hypotenuse of a right triangle is \_\_\_?

- a. base x height
- b.  $1/2 \times$  base x height
- c.  $2L + 2W$
- d.  $a^2 + b^2 + c^2$

**Question 8**

$7.3 \div 3.3 = ?$

- a. 2.21212121
- b. 2.12121212
- c. 2.22222222
- d. -2.21212121

**Question 9**

If David pays \$250 per month for his car loan, which equation shows how much he will pay in 12 months?

- a.  $\$250 / 12$
- b.  $\$250 \times 12$
- c.  $12 / \$250$
- d.  $\$250 - 12$

**Question 10**

$3.4 \div 6.223 = ?$

- a. 0.546360276394
- b. 7.7
- c. 9.623
- d. 6.8

**Question 11**

$7.5 + 6.8 = ?$

- a. 14.3
- b. 8.5
- c. 6.9
- d. 18.4
- e. 6.7

**Question 12**

$\$1.25 \times 23 = ?$

- a. 27.85
- b. 287.50
- c. 28.75
- d. 2875

**Question 13**

Convert 0.25 to a fraction

- a.  $1/2$
- b. 5
- c.  $1/4$
- d.  $3/8$

**Question 14**

$7.7 - 4.1 = ?$

- a. 3.6
- b. 0.4
- c. 1.1
- d. 8.5

**Question 15**

$12.8 \times -19.3 = ?$

- a. -247.04
- b. -246.04
- c. -248.04
- d. 247.04

**Question 16**

$0.1 \times -1.8 = ?$

- a. -0.18
- b. 0.18
- c. -0.28
- d. -0.08

**Question 17**

$7 \div 3 = ?$

- a. 2.33
- b. 2.67
- c. 0.233
- d. 0.425714

**Question 18**

$6 \div 2.93 = ?$

- a. 2.05
- b. 3.07
- c. 17.06
- d. 1.58

**Question 19**

$49.8 - 6 - 18.8 = ?$

- a. 25
- b. 24
- c. 26
- d. 2.5

**Question 20**

$-4.5 \times -2.9 = ?$

- a. 13.05
- b. 12.05
- c. 14.05
- d. 13.15

**Question 21**

$2.8 + 39.4 + 22.4 = ?$

- a. 64.6
- b. 20.2
- c. 64.8
- d. 76.2

**Question 22**

$10 - 0.6 - 3.1 = ?$

- a. 6.3
- b. 6.87
- c. 6.2
- d. 6.4

**Question 23**

$1.4 + 0.4 = ?$

- a. 1.8
- b. 6.1
- c. 5.8
- d. 1.1

**Question 24**

$42 - 6.6 - 4.7 = ?$

- a. 30.7
- b. 30.6
- c. 30.8
- d. 29.7

**Question 25**

$7.4 - 1.8 = ?$

- a. 5.6
- b. 5.9
- c. 8.3
- d. 3.3

ANSWERS: ASVAB Practice Test – Mathematics Knowledge

1. A
2. A
3. C
4. A
5. A
6. A
7. D
8. A
9. B
10. A
11. A
12. C
13. C
14. A
15. A
16. A
17. A
18. A
19. A
20. A
21. A
22. A
23. A
24. A
25. A