

# ASVAB Math Mini Practice Test with Answers

Original Effortless Math practice. This is not an official exam form. Work carefully, then use the answer key and explanations to review.

How to use this mini test: complete the questions without notes, show enough work that you can explain your thinking, and score the page only after the full set is finished. A short practice test is most useful when it tells you what to study next.

Review targets: mark each missed question as arithmetic, algebra, geometry, data, graph reading, or word-problem setup. Then solve one similar problem before moving to a full-length practice test.

1. If 6 identical boxes weigh 48 lb, how much does one box weigh?

- A. 6 lb
- B. 8 lb
- C. 10 lb
- D. 12 lb

2. What is 15% of 60?

- A. 6
- B. 9
- C. 12
- D. 15

3. Solve  $3x + 4 = 22$ .

- A.  $x = 4$
- B.  $x = 5$
- C.  $x = 6$
- D.  $x = 7$

4. A car travels 180 miles in 3 hours. What is its average speed?

- A. 45 mph
- B. 50 mph
- C. 60 mph
- D. 90 mph

5. The area of a triangle with base 10 and height 6 is:

- A. 16
- B. 30
- C. 60
- D. 120

6. Simplify  $5^2 - 3^2$ .

- A. 4

- B. 10
- C. 16
- D. 34

7. If  $4x = 28$ ,  $x$  equals:

- A. 6
- B. 7
- C. 8
- D. 9

8. A ratio of 3:5 has 24 in the first part. What is the second part?

- A. 30
- B. 35
- C. 40
- D. 45

# Answer Key and Explanations

1. B -  $48 / 6 = 8$ .
2. B -  $0.15 \times 60 = 9$ .
3. C - Subtract 4, then divide by 3:  $18 / 3 = 6$ .
4. C - Speed = distance / time =  $180 / 3 = 60$ .
5. B - Area =  $1/2 bh = 1/2(10)(6) = 30$ .
6. C -  $25 - 9 = 16$ .
7. B - Divide both sides by 4.
8. C - 3 parts became 24, so one part is 8. Five parts is 40.

## Study Log

1. My strongest topic in this set was: \_\_\_\_\_
2. My weakest topic in this set was: \_\_\_\_\_
3. The mistake I need to stop repeating is: \_\_\_\_\_
4. The next topic I will practice is: \_\_\_\_\_
5. One problem I should solve again tomorrow is number: \_\_\_\_\_

A good review is not just checking letters. It is naming the skill, correcting the method, and proving that the next similar question can be solved without help.