

Name: _____ Date: _____ Period: _____

ACT Prep: Math Section



1. This test includes:

- _____
- _____
- _____
- _____
- _____

2. In the math section, you will have _____ questions to complete in _____ minutes.

3. Read EVERY problem. Don't spend your time on problems that you _____ work!

4. When should you guess on the ACT?

5. What are 7 ACT test-taking strategies?

- _____
- _____
- _____
- _____
- _____
- _____
- _____

Examples

1. Draw a diagram.

In $\triangle ABC$, $\angle B$ is a right angle and the measure of $\angle A$ is 36° . A second right triangle, $\triangle DEF$, is being constructed so that $\angle E$ is a right angle and the measure of $\angle D$ is double the measure of $\angle A$. What is the measure of $\angle F$?

- A. 72°
- B. 54°
- C. 30°
- D. 27°
- E. 18°

2. Substitute.

When $3x - 12y = 6$ and $y = -2$, what is the value of x ?

- F. -18
- G. -6
- H. $\frac{4}{3}$
- J. 4
- K. 10

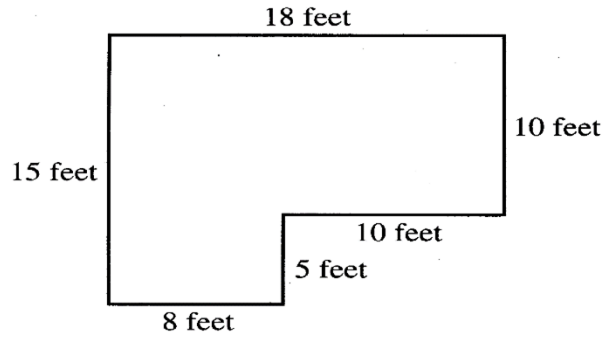
3. Use proportions.

It is estimated that each 4-ounce portion of a certain type of apple contains 60 calories. What is the estimate for the number of calories contained in a 15-ounce portion of this type of apple?

- F. 15
- G. 16
- H. 60
- J. 225
- K. 240

4. Divide Diagrams.

Teria plans to paint the ceiling of an L-shaped room in her apartment. Her ceiling is flat and all adjacent sides meet at right angles, as shown below. She is going to take advantage of a paint sale that discounts the cost of each 1-quart can of paint. Using her painting experience, Teria estimates that each quart of paint covers approximately 100 square feet. Based on her estimate, what is the minimum number of 1-quart cans of paint she must buy to paint 1 coat?



- F. 1
- G. 2
- H. 3
- J. 4
- K. 5

5. Make up numbers.

Given a real number n such that $|n| > n$, which of the following *must* be true?

- F. $n < 0$
- G. $n = 0$
- H. $n = -n$
- J. $n > |-n|$
- K. $n > \sqrt{n}$