

The purpose of these training test materials is to orient teachers and students to the types of questions on FSA tests. By using these materials, students will become familiar with the types of items and response formats they will see on the actual test. The training questions and answers are not intended to demonstrate the length of the actual test, nor should student responses be used as an indicator of student performance on the actual test. The training test is not intended to guide classroom instruction.

Directions for Answering the Mathematics Training Test Questions

If you don't know how to work a problem, ask your teacher to explain it to you. Your teacher has the answers to the training test questions.

For grade 4, you may need formulas and conversions to help you solve some of the problems. You may refer to the Reference Sheet on page 3 as often as you like.

Use the space in your Mathematics Training Test Questions booklet to do your work on the multiple-choice and short-answer questions.

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Grade 4 FSA Mathematics Reference Sheet

Customary Conversions

1 foot = 12 inches
1 yard = 3 feet
1 mile = 5,280 feet
1 mile = 1,760 yards

1 cup = 8 fluid ounces
1 pint = 2 cups
1 quart = 2 pints
1 gallon = 4 quarts

1 pound = 16 ounces
1 ton = 2,000 pounds

Metric Conversions

1 meter = 100 centimeters
1 meter = 1000 millimeters
1 kilometer = 1000 meters

1 liter = 1000 milliliters

1 gram = 1000 milligrams
1 kilogram = 1000 grams

Time Conversions

1 minute = 60 seconds
1 hour = 60 minutes
1 day = 24 hours
1 year = 365 days
1 year = 52 weeks

Formulas

$$A = lw$$

$$P = 2l + 2w$$

FSA Mathematics Training Test Questions

1. What is 78 rounded to the nearest ten?

- Ⓐ 70
- Ⓑ 75
- Ⓒ 80
- Ⓓ 100

2. Which decimal is greater than 0.8?

- Ⓐ 0.70
- Ⓑ 0.75
- Ⓒ 0.80
- Ⓓ 0.85

FSA Mathematics Training Test Questions

- 3.** A bakery uses 48 pounds of flour each day. It orders flour every 28 days.

Create an equation that shows how many pounds of flour the bakery needs to order every 28 days.

- 4.** Select all the expressions that have the same value as $30 \div 10$.

- (A) 1×3
- (B) $10 \div 30$
- (C) 30×10
- (D) $30 \div 10 \div 1$
- (E) $30 \div (2 \div 5)$
- (F) $(30 \div 2) \div 5$

FSA Mathematics Training Test Questions

5. Select all the expressions that have a value of 48.

Ⓐ $(3 + 3) \times 8$

Ⓑ $3 + (3 \times 8)$

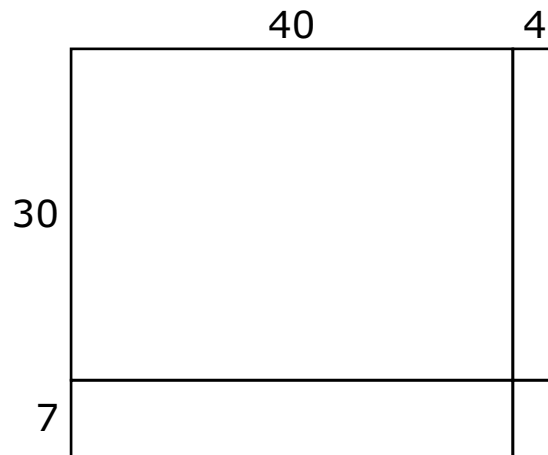
Ⓒ $6 \times 4 + 4$

Ⓓ $6 \times (4 + 4)$

Ⓔ 8×40

FSA Mathematics Training Test Questions

6. An area model is shown.



- Create a multiplication expression that you could use to find the area of this model.

- What is the total area, in square units, of the model?

FSA Mathematics Training Test Questions

7. Which is another way to represent 48?

- Ⓐ $4 \times (6 \times 2)$
- Ⓑ $4 \times (6 + 2)$
- Ⓒ $(2 \times 4) \times (6 + 8)$
- Ⓓ 40×8

8. Consider the equation $d \div 3 = 12$ remainder 2.

- What is the dividend, d ?

- What would the dividend, d , be if there was no remainder?

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