

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_ : \_\_\_\_ - \_\_\_\_ : \_\_\_\_

**Tick mark the correct option in each question.**

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1. Calculate the area of a poster board with a width of 2 feet and a length that is double the width.

- a. 4 sq ft \_\_\_\_\_
- b. 2 sq ft \_\_\_\_\_
- c. 8 sq ft \_\_\_\_\_

2. The area of a rectangle is 45 sq yd. Which of the following is a possible length?

- a. 4yd \_\_\_\_\_
- b. 9yd \_\_\_\_\_
- c. 6yd \_\_\_\_\_

3. Find the total area of two rugs with the following dimensions:

**Rug A: length of 7ft and width of 3ft**

**Rug B: length of 6ft and width of 4ft**

- a. 30 sq ft \_\_\_\_\_
- b. 45 sq ft \_\_\_\_\_
- c. 40 sq ft \_\_\_\_\_

4. Your classmate was solving the following problem and found the answer to be 3cm. The area of a rectangle is 28 sq cm. The length is 7 cm. What is the width? Check his work and choose the correct answer below.

- a. my classmate is correct \_\_\_\_\_
- b. my classmate is incorrect – the correct answer is 5cm \_\_\_\_\_
- c. my classmate is incorrect – the correct answer is 4cm \_\_\_\_\_

5. If the area of a rectangle is 20 and its length of one side is 4, what is the width of this rectangle?

- a. 4 \_\_\_\_\_
- b. 5 \_\_\_\_\_
- c. 80 \_\_\_\_\_