

**Smiley Face Math**  
**Grade 4, Worksheet VII**

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

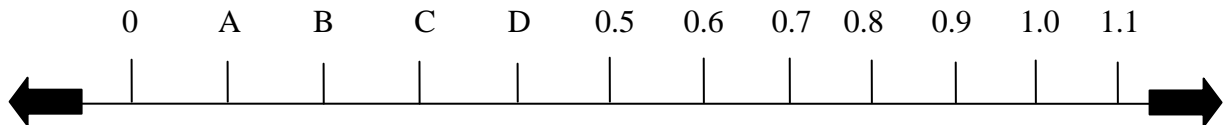


1. Start with a standard  $8\frac{1}{2}$  inch-by-11 inch sheet of paper. Use an inch-ruler to mark off inches around the edges and draw lines to divide the paper into square inches. Count the square inches, including whole square inches and  $\frac{1}{2}$  square inches. What is the total *area* of the paper?

\_\_\_\_\_ square inches



2. Write the decimal for each letter on the number line below.

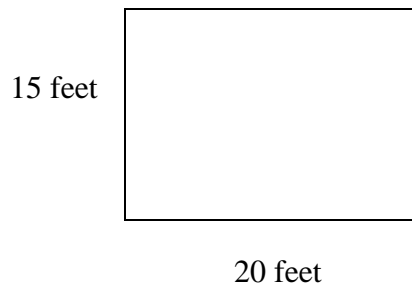


A: \_\_\_\_\_ B: \_\_\_\_\_ C: \_\_\_\_\_ D: \_\_\_\_\_



3. The fourth-grade class is preparing to paint a mural on one interior wall of the school. First the students need to paint the entire wall pink. The wall is 15 feet tall and 20 feet wide. One quart of paint will cover an area of 100 square feet. How many quarts of paint should the students buy?

Answer: \_\_\_\_\_ quarts of paint



1 quart will cover 100 square feet



4. On average, the circus sells 1250 tickets each performance. If the circus has 24 performances a month, what is the total number of tickets sold each month?

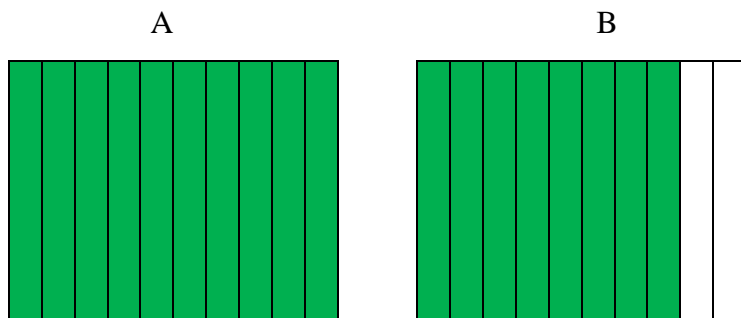
Answer: \_\_\_\_\_ tickets



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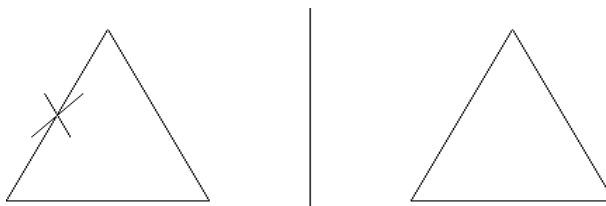
5. If figure A shows one whole, what fraction and what decimal show the shaded part of figure B? What number shows the shaded part of A and B together?

Answer: B:      as a fraction and      as a decimal  
A + B can be written as      or as     .



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6. There is an X on the original triangle. Mark where X would be when *reflected* across the line onto the triangle on the right.



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7. Mario's bowling ball weighs 8 pounds 6 ounces. How many ounces does the ball weigh?



(1 pound = 16 ounces)

Answer: The ball weighs      ounces

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8. What type of symmetry—line or rotational—do the blades of a windmill have, and why?



Answer: \_\_\_\_\_ symmetry and here is how I know: