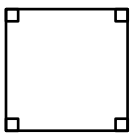
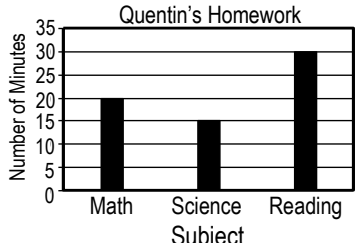



MATH MADNESS # 75

| <p>1. Mr. Hanna created the number pattern below by adding the same amount each time to get the next number.</p> <p style="text-align: center;">30, 50, 70, 90, ...</p> <p>What will be the seventh number in the pattern?</p> <p>a. 110 b. 150 c. 190 d. 210</p> | <p>5. Todd has 3 dogs named Spot, Rover, and Buddy. Spot is half as old as Rover; Rover is four times as old as Buddy. Buddy is 3 years old. How old is Spot?</p> <p>a. 2 years old b. 4 years old c. 6 years old d. 8 years old</p> | | | | | | | | |
|---|---|---------|-------------------|------|----|---------|----|---------|----|
| <p>2. What fraction goes in the box to make this number sentence true?</p> <p>a. $\frac{2}{6}$ $\frac{3}{6} > \boxed{?}$</p> <p>b. $\frac{1}{2}$ c. $\frac{4}{6}$ d. $\frac{6}{1}$</p> | <p>6. Which of the following can be used to describe the figure below?</p>  <p>a. square b. rhombus c. rectangle d. all of the above</p> | | | | | | | | |
| <p>3. Which fraction is equal to 6?</p> <p>a. $\frac{1}{6}$ b. $\frac{2}{4}$ c. $\frac{6}{6}$ d. $\frac{6}{1}$</p> | <p>7. The bar graph below shows the number of minutes it took Quentin to complete his homework in each subject.</p> <p>How long did it take Quentin to complete all his homework?</p> <p>a. 1 hr b. 1 hr 5 min c. 1 hr 10 min d. 1 hr 15 min</p>  <table border="1"> <caption>Quentin's Homework</caption> <thead> <tr> <th>Subject</th> <th>Number of Minutes</th> </tr> </thead> <tbody> <tr> <td>Math</td> <td>20</td> </tr> <tr> <td>Science</td> <td>15</td> </tr> <tr> <td>Reading</td> <td>30</td> </tr> </tbody> </table> | Subject | Number of Minutes | Math | 20 | Science | 15 | Reading | 30 |
| Subject | Number of Minutes | | | | | | | | |
| Math | 20 | | | | | | | | |
| Science | 15 | | | | | | | | |
| Reading | 30 | | | | | | | | |
| <p>4. What number sentence is another way to represent the missing number in the equation $42 \div 6 = \square$?</p> <p>a. $42 \times 6 = \square$ b. $42 + 6 = \square$ c. $\square \times 6 = 42$ d. $\square \div 6 = 42$</p> | <p>8. Olivia bought this truck for her little brother. She gave the cashier 3 one-dollar bills and 7 quarters. How much change should Olivia receive?</p> <p>a. \$1.11 b. \$1.08 c. \$0.11 d. \$0.08</p>  | | | | | | | | |

9 & 10 (2 points) Short Answer / Extended Response

The diagram shows the size of six different quadrilaterals. Which two quadrilaterals have the same area?

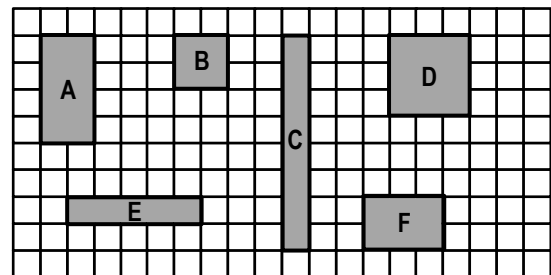
Quadrilateral A and Quadrilateral C have the same area.

Explain how you got your answer.

Explanations will vary, but should clearly show an understanding

that area is determined by multiplying the length by the width

$(4 \times 2) = (8 \times 1)$.



KEY
 □ = 1 square unit