

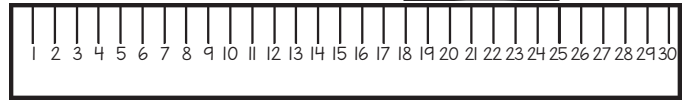
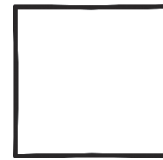
# Math Madness # 75

1. Which digit could be written in the blank to make this statement true?

$$5,376, \underline{\quad} 94 = 5,376,094$$

- a. 0
- b. 2
- c. 4
- d. 6

5. Use the centimeter ruler to find the area of this square.



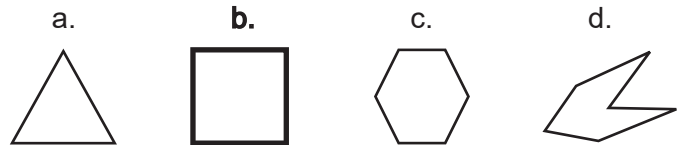
- a.  $28 \text{ cm}^2$
- b.  $32 \text{ cm}^2$
- c.  $49 \text{ cm}^2$
- d.  $64 \text{ cm}^2$

2. Which fraction will correctly complete this problem?

$$1\frac{2}{5} = \frac{1}{5} + \frac{?}{?}$$

- a.  $\frac{5}{5}$
- b.  $\frac{1}{5}$
- c.  $\frac{5}{2}$
- d.  $\frac{6}{5}$

6. Heather drew a polygon that has both parallel and perpendicular sides. Which of the following could be the polygon Heather drew?

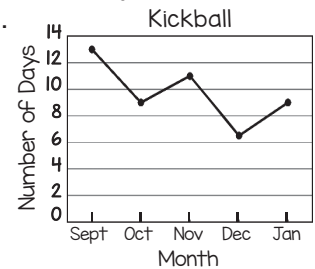


3. A soccer coach can divide his team evenly in groups of 6 or 3. Which of the following could be the number of players on the soccer team?

- a. 9
- b. 12
- c. 15
- d. 16

7. A fourth grade class made this line graph to show the number of days each month they chose to play kickball during recess.

If the class went out for recess 21 times in October, how many times did they decide *not* to play kickball?



- a. 6
- b. 9
- c. 11
- d. 12

4. Which of the following would correctly complete this number sentence?

$$4 \times \underline{\quad} = \frac{4}{5}$$

- a.  $\frac{1}{5}$
- b.  $\frac{1}{4}$
- c.  $\frac{1}{1}$
- d.  $\frac{8}{5}$

8. Select *all* the true statements about this pattern.

16    64                1,024    4,096

- a. The missing number is 256.
- b. The rule for this pattern is multiply by 6.
- c. To find the next number in the pattern you should multiply 4,096 by 4.
- d. The rule for this pattern is add 48.

## 9 & 10 (2 points) Constructed Response

A dolphin can travel 6 miles in 15 minutes. A barracuda can travel 8 miles in 15 minutes. How far will each travel in one hour? How much farther will a barracuda travel in 5 hours than a dolphin? Be sure to show all your work.

A dolphin will travel 24 miles in one hour. A barracuda will travel 32 miles in one hour.

In five hours, a barracuda will travel 40 miles farther than a dolphin.