

MATH MADNESS #100

1. Which statement is true?

- a. $1\frac{1}{4} = 1.14$
- b. $\frac{5}{4} = 1\frac{1}{4}$**
- c. $1.1 = 1\frac{1}{100}$
- d. $\frac{6}{2} = 4$

5. Tammy needs 50 inches of yarn for an art project. The yarn is only sold by the yard. How much yarn will Tammy need to buy?

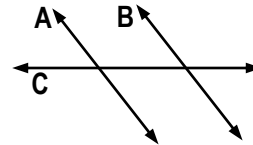
- a. 2 yards**
- b. 3 yards
- c. 4 yards
- d. 5 yards

Standard Conversions	
1 mile (mi)	= 1,760 yards (yd)
1 mile (mi)	= 5,280 feet (ft)
1 yard (yd)	= 3 feet (ft)
1 foot	= 12 inches (in.)

2. Mary, Mikey, and Lisa picked raspberries. Mary picked $\frac{1}{3}$ gallon of raspberries and Mikey picked $\frac{3}{5}$ gallon of raspberries. Lisa picked more berries than Mary but less than Mikey. Which of the following could be the amount Lisa picked?

- a. $\frac{2}{10}$ cup
- c. $\frac{3}{8}$ cup**
- b. $\frac{1}{4}$ cup
- d. $\frac{2}{3}$ cup

6. Which statement about the lines below is true?

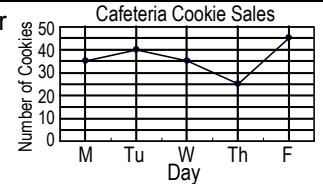


- a. Lines A and B are perpendicular
- b. Lines A and C are parallel
- c. Lines B and C intersect**
- d. Lines A and C are perpendicular

3. Amy bought 3 watermelons. Altogether, the watermelons weighed 32.956 pounds. The first watermelon weighed 11.24 pounds and the second weighed 9.8 pounds. How much did the third watermelon weigh?

- a. 11.556 pounds
- b. 11.916 pounds**
- c. 20.736 pounds
- d. 20.916 pounds

7. This graph shows the number of cookies sold to 5th grade students last week.



Which chart below was used to make the graph?

- a.

Day	Cookies Sold
Mon	31
Tues	40
Wed	31
Thur	45
Fri	25
- b.

Day	Cookies Sold
Mon	35
Tues	40
Wed	35
Thur	45
Fri	25
- c.

Day	Cookies Sold
Mon	30
Tues	45
Wed	30
Thur	25
Fri	45
- d.

Day	Cookies Sold
Mon	35
Tues	40
Wed	35
Thur	25
Fri	45

4. Vanna measured the distance her frog jumped. First it jumped $\frac{11}{12}$ foot and then it jumped $\frac{1}{4}$ foot. How far did Vanna's frog jump in all?

- a. $1\frac{1}{8}$ feet
- b. $1\frac{1}{6}$ feet**
- c. $1\frac{3}{8}$ feet
- d. $1\frac{3}{4}$ feet

8. This table shows how many minutes Colleen spent swimming.

If this pattern continues, how long will she swim on Friday?

- a. 1 hour
- b. $1\frac{1}{2}$ hours
- c. 2 hours**
- d. $2\frac{1}{2}$ hours

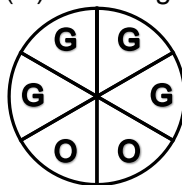
Day	Swim Time
Sunday	20 minutes
Monday	40 minutes
Tuesday	60 minutes
Wednesday	80 minutes
Thursday	100 minutes
Friday	?

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

Cassie wants to make a game spinner in which the chance of landing on green will be twice as likely as landing on orange. Using (G) for green and (O) for orange, show how Cassie could label this spinner.

Number of green sections: 4

Number of orange sections: 2



Explain your strategy. (Answers will vary.)