

Math Madness #1

1. A fraction of these hearts are shaded.



Which of the following groups has an equivalent fraction of shaded hearts?

- a. b. c. d.

5. Which is the most appropriate unit for measuring the length of a fork?

- a. meter
b. **centimeter**
c. liter
d. milliliter

2. Prime numbers are best described as ____.

- a. numbers with more than 2 factors
b. **numbers with exactly 2 factors**
c. even numbers
d. odd numbers

6. The ____ is the number or numbers that occur most in a set of data.

- a. mean
b. median
c. **mode**
d. range

3. To add the fractions below, Marshall first needs to determine the least common multiple of the denominators.

$$\frac{5}{12}, \frac{7}{8}, \frac{1}{2}$$

What is the least common multiple?

- a. 12 c. **24**
b. 16 d. 48

7. This stem-and-leaf plot shows Marc's test scores. Which list was used to make the stem-and-leaf plot?

Test Scores	
Stem	Leaf
7	4 8
8	3 6 6
9	0 5 6

- a. 74, 78, 83, 86, 95, 96, 96
b. 74, 78, 83, 86, 90, 95, 96
c. 74, 78, 83, 86, 86, 86, 95, 96
d. **74, 78, 83, 86, 86, 90, 95, 96**

7|4 means 74

4. Sophia bought 26.93 ounces of chocolate fudge and 9.07 ounces of peanut butter fudge. How much fudge did Sophia buy in all?

- a. 11.76 oz.
b. 12.76 oz.
c. 35 oz.
d. **36 oz.**

8. Fill in the missing number, then choose the rule that matches the pattern.

1.32, 1.36, 1.40, 1.44, 1.48, 1.52

- a. add 0.004
b. **add 0.04**
c. add 0.4
d. add 1.4

9 & 10 (2 points) Constructed Response

Tatum is a member of Fun Time Bowling. He has invited a friend, who is not a member, to go bowling with him. They will each need to rent a pair of shoes and each will bowl one game. If Tatum pays for both of them with \$20, how much change should he receive? Be sure to show your work.

Fun Time Bowling Alley		
	Regular Price	Member Price
Game (per person)	\$6.99	\$4.99
Shoe Rental	\$4.99	\$2.99

Tatum's should receive **\$0.04** in change.