

6th Review #33 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

1. Stephanie collected 20 marble Easter eggs. Eight of the eggs were blue, five were green, and the rest were gold. What percent of the eggs were gold?
(Show how you found changed the fraction to a percent)

- A 7%**
- B 20%**
- C 35%**
- D 70%**

2. Which of the following is true?
 (Change each to the same form to compare)

- A $11/20 > 40\% > 0.078$
- B $3/5 > 90\% > 0.6$
- C $7/10 = 7\% = 0.7$
- D $3/4 < 50\% < 0.6$

3. Erica put her hand in the bag of M&M's and pulled out the colors listed below. What is the ratio of green M&M's to red M&M's? *(HINT: LABELS)*

- A 12:8**
- B 2:3**
- C 20:4**
- D 3:2**

Color	Amount
Red	12
Green	8
Brown	4

Name _____

4. Edward bought a dozen pastries. Six were cherry, two were plain, and four were glazed. What fraction & percent of the pastries was cherry?

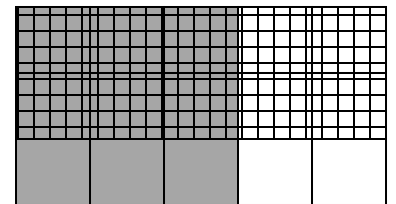
- A 100%, $1/1$
- B 6%, $1/6$
- C 50%, $1/2$
- D 12%, $1/12$

5. Bo wants to go to the movies. A movie ticket costs \$5.99, a drink is \$2.19, and popcorn is \$4.65. What is the best estimate of the total cost for Bo to see a movie & buy a drink and popcorn? *(Show how you estimated)*

- A \$11.00
- B \$12.00
- C \$10.00
- D \$13.00

6. Which of the following expressions correctly represents the array below? *(Show how you arrived at your answer)*

- A $2/3 \times 1/6$
- B $3/5 \times 2/3$
- C $6/15 \times 2/3$
- D $3/5 \times 6/15$



Adv. Review #33 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. The highest recorded temperature in Virginia is 110 degrees Fahrenheit. The lowest is -30 degrees Fahrenheit. What is the difference from the high temperature to the low temperature?

8. Solve the following using the rule:

$$-145 + 631$$

9.

The 20 students in Petra's class were assigned to five teams, as shown in the table below.

Teams in Petra's Class

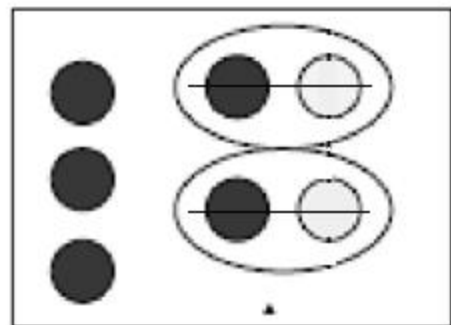
Team	Fraction of Class
red	$\frac{1}{5}$
orange	$\frac{3}{10}$
yellow	$\frac{1}{4}$
green	$\frac{3}{20}$
blue	$\frac{1}{10}$

Which team had the greatest number of students?

- A. red
- B. orange
- C. yellow
- D. green

10.

Which of the following equations is modeled by the counters shown below, if the shaded circles represent negative and the unshaded circles represent positive?



- a $-3 + 2 = -3$
- b $-5 + 2 = 3$
- c $-5 + 2 = -3$
- d $-3 + 4 = 1$