

6th Review #57 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

1. Which ratio below is equivalent to 45%?
(Show labels & solve)

- F $\frac{4}{15}$ H 3 to 15
 G 5 : 9 J 9 to 20

2. Which of the following is true? *(Show work)*

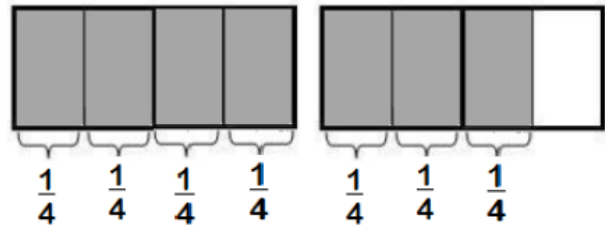
- A $0.073 < \frac{2}{5} < 65\% < 0.8$
 B $0.073 < 0.8 < \frac{2}{5} < 65\%$
 C $65\% < \frac{2}{5} < 0.073 < 0.8$
 D $0.8 < 65\% < 0.073 < \frac{2}{5}$

3. Which fraction is equivalent to $4 \div \frac{3}{8}$?
(Show work)

- F $1 \frac{1}{2}$ H $10 \frac{2}{3}$
 G $\frac{2}{3}$ J $\frac{3}{8}$

Name _____

4. Look at the model.



Which expression could be represented by the model?

- A $1 \frac{3}{4} \div \frac{1}{4}$ C $7 \div \frac{1}{4}$
 B $2 \div \frac{1}{4}$ D $1 \frac{3}{4} \div 4$

5. What is $2 \frac{7}{8} \times 2$?

- A $4 \frac{3}{4}$ C $5 \frac{3}{4}$
 B $4 \frac{7}{8}$ D $1 \frac{7}{16}$

6. Sarah has 2 bags of marbles. Each bag has 12 marbles. If $\frac{3}{4}$ of the marbles are blue, what is the total number of blue marbles in the bag?

- F 6 marbles
 G 12 marbles
 H 18 marbles
 J 9 marbles

Adv. Review #57 (7th grade SOLs)

SHOW HOW YOU SOLVED EACH PROBLEM – NO CALCULATORS!

7. Solve the following according to order of operations:

$$1 \times (-9 + (-9) + 2^2)$$

8. The number 324 is a perfect square number. Draw a square in the space provided that proved that 324 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{324} = \underline{\hspace{2cm}}$$

10.

Which expression has a value of 18?

A. $[(3 \times 4) - (2 \times 5)] + 1$

B. $3 + 4 + [(2 \times 5) + 1]$

C. $3 + [(4 \times 2) + (5 \times 1)]$

D. $3 \times [(4 \times 2) - 5] - 1$