

6th Review #46 – WORK MUST BE SHOWN
FOR EACH PROBLEM – NO CALCULATORS

1. Find the quotient: $4 \div \frac{5}{6}$
(*Model to solve*)

2. Brendon had 15 mini helmets. Two-fifths of the helmets were dented and could not be used. How many helmets were still in good condition?

- A 10 helmets
- B 9 helmets
- C 5 helmets
- D 30 helmets

3. Josh had $\frac{5}{8}$ of the pizza left. $\frac{1}{3}$ of the leftover pizza was stale. How much of the whole pizza was stale? (*Draw an array or show how you found the fraction*)

- A $\frac{1}{3}$
- B $\frac{5}{24}$
- C $\frac{24}{5}$
- D $\frac{1}{8}$

Name _____

4. Jamie collected 30 coins last year. Twelve coins were from Germany, twelve were from Spain, and the rest were from China? What percent of the coins were from China? (*Show how you found the ratios & the percent*)

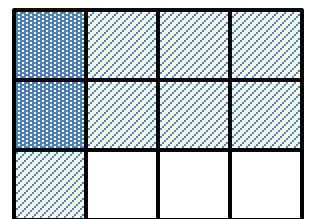
- A 30%
- B 24%
- C 6%
- D 20%

5. Which of the following is a perfect square?

- A 100
- B 91
- C 15
- D 5

6. Which equation below represents the model? (*Show how you solved it*)

- A $\frac{1}{3} \cdot \frac{1}{4} = \frac{1}{12}$
- B $\frac{2}{3} \cdot \frac{1}{4} = \frac{1}{6}$
- C $\frac{2}{4} \cdot \frac{1}{4} = \frac{1}{8}$
- D $\frac{1}{3} \cdot \frac{2}{4} = \frac{1}{6}$



**Adv. Review #46 (7th grade SOLs)
*SHOW HOW YOU SOLVED EACH
PROBLEM – NO CALCULATORS!***

1. The highest recorded temperature in New Mexico is 122 degrees Fahrenheit. The lowest is -50 degrees Fahrenheit. What is the difference from the low temperature to the high temperature?

8. The number 81 is a perfect square number. Draw a square in the space provided that proved that 81 is a perfect square.

9. Using problem #8, solve the following:

$$\sqrt{81} = \underline{\hspace{2cm}}$$

10. Finish the pattern:

$$10^4 = 10 \times 10 \times 10 \times 10 = 10,000$$

$$10^3 = 10 \times 10 \times 10 = \underline{\hspace{2cm}}$$

$$10^2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

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

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