

Quarter 3 Review

1. Jessica and Andy both drew a rectangle on a piece of construction paper.

- Jessica's rectangle was 3 inches long and $\frac{7}{15}$ inches wide.
- Andy's rectangle was 3 inches long and $\frac{14}{16}$ inches wide.

What is true about the relationship between the area of the two rectangles?

- A Jessica's rectangle has an area that is **double** the area of Andy's rectangle.
- B Jessica's rectangle has an area that is **half** the area of Andy's rectangle.
- C The area of both rectangles is the **same**.
- D Andy's rectangle has an area that is **half** the area of Jessica's rectangle.

2. A shoebox has a volume of 36 cubic centimeters. Which statement about the gift box is true?

- A It could be filled with 36 cubes that **each** has a side length of 36 centimeters.
- B It could be filled with 36 cubes that **each** has a side length of 1 centimeter.
- C It could be filled with **1 cube** that has a side length of 36 centimeters.
- D It could be filled with **1 cube** that has a side length of 1 centimeter.

3. Amy went to the grocery store to purchase avocados. Her total weight was 7.49 pounds. If Amy rounds 7.49 pounds to the nearest tenth, how many pounds did she buy?

$$7.49 \rightarrow 7.5$$

4. Michelle bought two science books for \$4.85 each and a new tote bag for \$18.60. How much money did she spend altogether?

$$\begin{array}{r} 4.85 \\ \times 2 \\ \hline \$9.70 \end{array} \quad \begin{array}{r} 18.60 \\ + 9.70 \\ \hline \$28.30 \end{array}$$

5. Ms. Thurston bought 6 gallons of milk for a big breakfast with her family. Each gallon of milk cost \$2.19. How much money did she spend on milk altogether?

$$\begin{array}{r} 2.19 \\ \times 6 \\ \hline \$13.14 \end{array}$$

6. Mrs. Arem had a strip of metal that was $\frac{1}{2}$ yard long. She cut the strip into 5 pieces of equal length to use for a project. How many yards long was each of the five pieces?

$$\frac{1}{2} \div 5 \rightarrow \frac{1}{2} \times \frac{1}{5} = \frac{1}{10}$$

7. Brandon had $\frac{1}{3}$ of a large chocolate cake left over. He decided to share it equally between 2 friends and himself. How much of the whole cake will each friend eat?

$$\frac{1}{3} \div 3 \rightarrow \frac{1}{3} \times \frac{1}{3} = \left(\frac{1}{9}\right)$$

8. AJ has $2\frac{1}{6}$ rolls of paper. Each roll has $4\frac{2}{3}$ yards of paper. If AJ needs 15 yards of paper for an art project, how much more paper will he need to buy?

$$\frac{13}{6} \times \frac{14}{3} = \frac{182}{18} = 10\frac{1}{9}$$

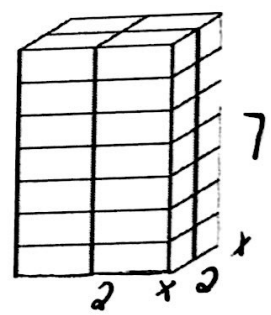
$$\begin{array}{r} 14\frac{2}{3} \\ - 10\frac{1}{9} \\ \hline 4\frac{8}{9} \end{array}$$

9. Ben's scores at the track meet on Saturday were 65.08 and 66.1. On Sunday, his scores were 61.29 and 64.8. How much higher was the total of Ben's scores on Saturday than the total of his scores on Sunday?

$$\begin{array}{r} 65.08 \\ + 66.10 \\ \hline 131.18 \\ \hline 137.18 \\ - 126.09 \\ \hline 5.09 \end{array}$$

$$\begin{array}{r} 61.29 \\ + 64.80 \\ \hline 126.09 \end{array}$$

10. Kelly is making a rectangular prism from connecting cubes. If the figure is solid and has no holes, how many cubes did she use?



Volume = 28 units³

11. Fifth grade students in Charlotte are studying the relationship between angles and forces and motion of roller coasters.

- A special museum created a program to serve up to 5,035 students.
- The museum confirmed 154 students from 17 schools were going to attend the program.

How many more students can be invited to participate in the program?

$$\begin{array}{r} 5035 \\ - 154 \\ \hline 4881 \end{array}$$

$$\begin{array}{r} 5035 \\ - 2618 \\ \hline 2417 \end{array}$$

12. The school purchased 3 gallons of chocolate ice cream and 4 gallons of vanilla ice cream for the promotion celebration.

- There was $\frac{2}{3}$ gallon of chocolate ice cream left after the celebration.
- There was $1\frac{1}{4}$ gallons of vanilla ice cream left after the celebration.

How many gallons of ice cream did they eat at the promotion celebration?

$$\begin{array}{r} 3\frac{3}{4} \\ - \frac{2}{3} \\ \hline 2\frac{1}{3} \end{array}$$

$$\begin{array}{r} 3\frac{4}{4} \\ - 1\frac{1}{4} \\ \hline 2\frac{3}{4} \end{array}$$

$$\begin{array}{r} 2\frac{1}{3} + 2\frac{4}{12} \\ 2\frac{4}{12} + 2\frac{9}{12} \\ \hline 4\frac{13}{12} \\ \hline 5\frac{1}{12} \end{array}$$