

**MONDAY**

Solve each proportion. Be sure to show your work and box your answers.

1)  $\frac{3 \text{ apples}}{15 \text{ oranges}} = \frac{? \text{ apples}}{50 \text{ oranges}}$

2)  $\frac{? \text{ candles}}{80 \text{ cupcakes}} = \frac{45 \text{ candles}}{18 \text{ cupcakes}}$

3)  $\frac{2 \text{ hats}}{24 \text{ socks}} = \frac{? \text{ hats}}{36 \text{ socks}}$

4)  $\frac{42 \text{ potatoes}}{? \text{ pounds}} = \frac{49 \text{ potatoes}}{7 \text{ pounds}}$

5)  $\frac{30 \text{ peaches}}{56 \text{ plums}} = \frac{180 \text{ peaches}}{? \text{ plums}}$

6)  $\frac{? \text{ marbles}}{45 \text{ cards}} = \frac{96 \text{ marbles}}{135 \text{ cards}}$

7)  $\frac{\$2.50}{8 \text{ tickets}} = \frac{\$7.50}{? \text{ tickets}}$

8)  $\frac{? \text{ songs}}{72 \text{ playlists}} = \frac{56 \text{ songs}}{16 \text{ playlists}}$

**TUESDAY**1) What is a **UNIT RATE**? \_\_\_\_\_

Calculate each unit rate based on the information given:

2)  $\frac{385 \text{ miles}}{7 \text{ hours}} = \underline{\hspace{2cm}}$

3)  $\frac{\$900}{5 \text{ days}} = \underline{\hspace{2cm}}$

4)  $\frac{\$75}{6 \text{ games}} = \underline{\hspace{2cm}}$

5)  $\frac{2,300 \text{ tickets}}{10 \text{ concerts}} = \underline{\hspace{2cm}}$

6)  $\frac{\$3.24}{3 \text{ pounds}} = \underline{\hspace{2cm}}$

7)  $\frac{45.5 \text{ meters}}{13 \text{ seconds}} = \underline{\hspace{2cm}}$

8) Main Street Market sells 5 pounds of oranges for \$3.00, while Meg &amp; Lynn's Produce sells 4 pounds of oranges for \$2.60. Which store has the better unit price on oranges?

**WEDNESDAY**

**For each problem situation, SET UP A PROPORTION & LABEL ALL UNITS. Then SOLVE THE PROBLEM.**

- 1) Jim would like to join a gym that offers a two month membership for \$120. What would he expect to pay for a nine months at this gym?

$$\frac{\$120}{2 \text{ months}} = \underline{\hspace{2cm}}$$

- 2) Ricky Bobby drove 110 miles on 5 gallons of gas. How far could he travel if he had 16 gallons of gas in his tank?

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

- 3) Karla can run 4 miles in 28 minutes. How long would it take her to run a 26 miles?

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

- 4) The results of a random survey showed that 45 out of 75 total people said they'd vote for Mr. Smith in a local election. How many votes would Mr. Smith expect to get if 1,000 total people voted?

- 5) A 4.5 pound package of ribeye steak costs \$54 at HEB. How much would you expect to pay for 3 pounds of ribeye steak?

**THURSDAY**

**For each problem situation, SET UP A PROPORTION & LABEL ALL UNITS. Then SOLVE THE PROBLEM.**

- 1) A lasagna recipe that serves 5 people calls for 3 pounds of tomatoes. A chef plans to serve this recipe to 135 people. How many pounds of tomatoes will she need?

- 2) A farmer can harvest 54 bushels of corn from 2 acres of land. How much corn can he get from 12.5 acres of land?

- 3) If there are 1,200 calories in 8 ounces of hot fudge, how many calories would there be in 3 ounces of hot fudge?

- 4) While exercising, Julie found that her heart was beating 12 times every 5 seconds. How many times would it beat in 2 minutes?

- 5) Josh spends 40 cents out of every dollar he earns and saves the rest. If he earned \$32.00 mowing lawns last weekend, how much did he save?