

HW: Worksheet/10-17

**Warm up:**

Find the unit price for each item.

Blueberries

$$\frac{3.50}{12} = 0.291666\bar{6}$$

**\$0.29/oz**

Mango Chunks

$$\frac{3.50}{10} = \text{\$0.35/oz}$$



**\$3.50**

**mix or match** **2 \$7**  
FOR



**LIMIT 4 PER VARIETY**

**Seal the Seasons  
Blueberries**

12-oz. pkg., Locally Grown Berry Blend or

**Wholesome Pantry  
Organic Frozen Fruits**

10-oz. pkg., Any Variety

Which package of candy is the best deal?

Package	Weight (oz)	Price (\$)	Price per Ounce
A	7	1.19	$\frac{1.19}{7} = \$0.17/\text{oz}$
<b>B</b>	9	1.35	$\frac{1.35}{9} = \$0.15/\text{oz}$
C	$12\frac{1}{2}$	2.00	$\frac{2}{12.5} = \$0.16/\text{oz}$

Kari ran  $500\frac{1}{2}$  m in 35s. Amy ran  $652\frac{1}{2}$  m in 45s.

Which runner ran at a faster rate?

$$\text{Kari) } \frac{500.5 \text{ m}}{35 \text{ s}} = 14.3 \text{ m/s}$$

$$\text{Amy) } \frac{652.5}{45} = 14.5 \text{ m/s}$$

Amy

You bought 4 pounds of cheese and paid \$23.40. What was the unit price?

$$\frac{23.40}{4} = \$5.85/\text{lb}$$

1. The Edwards family drank  $2\frac{3}{4}$  gallons of juice in  $2\frac{1}{2}$  days. How much juice does the family drink per day?
2. Mrs. Granger used  $4\frac{1}{2}$  feet of plastic wrap in 3 days to wrap her children's lunch sandwiches. How much plastic wrap does she use per day?
3. Jacob can run  $8\frac{1}{8}$  miles in  $3\frac{1}{4}$  hours. At that rate, how far can he run in 1 hour?
4. The Wu family eats  $2\frac{1}{2}$  loaves of bread in  $4\frac{1}{2}$  days. At that rate, how much bread does the family eat per day?
5. Alexis bought  $6\frac{1}{2}$  yards of fabric for \$25.48. How much did the fabric cost per yard?

1. The Edwards family drank  $2\frac{3}{4}$  gallons of juice in  $2\frac{1}{2}$  days. How much juice does the family drink per day?

$$2\frac{3}{4} \div 2\frac{1}{2}$$

$$\frac{11}{4} \div \frac{5}{2}$$

$$\frac{11}{4} \cdot \frac{2}{5} = \frac{11}{10} = 1\frac{1}{10} \text{ gal/day}$$

2. Mrs. Granger used  $4\frac{1}{2}$  feet of plastic wrap in 3 days to wrap her children's lunch sandwiches. How much plastic wrap does she use per day?

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

~~$4\frac{1}{2} \div 3 = 1\frac{1}{2}$~~

~~$2\frac{1}{2} \div 3 = 1\frac{1}{2}$~~

$1\frac{1}{2}$  ft/day

3. Jacob can run  $8\frac{1}{8}$  miles in  $3\frac{1}{4}$  hours. At that rate, how far can he run in 1 hour?

$$\begin{array}{l}
 8\frac{1}{8} \div 3\frac{1}{4} \\
 \frac{65}{8} \div \frac{13}{4} \\
 \frac{65}{8} \cdot \frac{4}{13} \\
 \frac{\cancel{5}^5 \cancel{13}^2}{2 \cdot \cancel{4}^2} \cdot \frac{\cancel{4}^1}{\cancel{13}^1} = \frac{5}{2} = 2\frac{1}{2} \text{ mi/h}
 \end{array}$$



4. The Wu family eats  $2\frac{1}{2}$  loaves of bread in  $4\frac{1}{2}$  days. At that rate, how much bread does the family eat per day?

$$2\frac{1}{2} \div 4\frac{1}{2}$$

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \\ \times 20 \\ \hline 200 \\ \times 200 \\ \hline 4000 \end{array} \div \begin{array}{r} 9 \\ \times 2 \\ \hline 18 \\ \times 20 \\ \hline 400 \end{array} =$$

$$\frac{5}{9} \text{ loaf/day}$$

5. Alexis bought  $6\frac{1}{2}$  yards of fabric for \$25.48. How much did the fabric cost per yard?

$$\frac{25.48}{6.5} = \$3.92/\text{yd}$$



