

McQuiz

⑫ $\sqrt{33}$
 $\sqrt{25}$ $\sqrt{36}$
 8 3

5.74

$$\begin{array}{r} 5.7 \\ \times 5.7 \\ \hline 32.49 \end{array}$$

$$\begin{array}{r} 5.8 \\ \times 5.8 \\ \hline 33.64 \end{array}$$

.51 ← 33 → .64

$$\begin{array}{r} 5.74 \\ \times 5.74 \\ \hline 32.9476 \end{array}$$

$$\begin{array}{r} 5.75 \\ \times 5.75 \\ \hline 33.0625 \end{array}$$

$$\begin{array}{r} 5.745 \\ \times 5.745 \\ \hline 33.005025 \end{array}$$

⑭ 2π , 5.9292 , $\sqrt[25]{28}$, $\sqrt[36]{28}$

$2(3.14)$ < 5.5

6.28

$\sqrt{28}$, 5.9292 , 2π

Warm up:

Desiree earns \$280 in 40 hours. What is her hourly pay rate?

$$\frac{\$280}{40h} = \$7/h$$

Ratios + Proportions

What are some common unit rates?

$\$/h$	nautical mi/h	
	clicks/s	rpm
ft/s	frames/s	$\$/mo$
mi/h	beats/s	$\$/lb$
km/h	in/h	$\$/oz$
		mi/gal

It costs \$2 for 8 juice boxes. Find the unit price.

$$\frac{2}{8} = \$0.25/\text{juice box}$$
$$25\text{¢}/\text{juice box}$$

A person can walk $\frac{1}{2}$ mile in $\frac{1}{4}$ hour. What is their average speed?

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

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

$$\frac{1}{2} \cdot \frac{4}{1} =$$

$$2 \text{ mi/h}$$



3 \$11
FOR

Price **PLUS** Club
LIMIT 4 OFFERS

Poland Spring Water 24-Pack

405.6-oz. tot. wt. btls.
(Plus Dep. or Fee Where Req.)
16.9-oz. Bottles

Less or additional items will scan at \$4.99 each. **MUST BUY 3**

$$\frac{11}{3} = 3.\underline{666666}$$

\$3.67/case

$$\frac{3.67}{24} = 0.152916\bar{6}$$

\$0.15/bottle

$$\frac{0.15}{16.9} = 0.00887574$$

≈ \$0.01/oz

SHOPPING An 8-ounce can of tomatoes costs \$1.14. A 12-ounce can costs \$1.75. Which can of tomatoes has the better unit price?

$$\frac{1.14}{8} = 0.1425$$

$$\$0.14/\text{oz}$$

$$\frac{1.75}{12} = 0.1458\overline{333}$$

$$\$0.15/\text{oz}$$

8oz

TRAVEL During Sonia's trip across the country, she traveled 2,884 miles. Her trip took 7 days. Find a unit rate to represent the average miles she traveled per day during the trip.

BUDGET Steve was offered \$5,025 per year for a weekend lifeguarding job at a local pool. He wants to know how much his monthly income will be at this salary level. What is his rate of pay in dollars per month?

CARPETING Hana paid \$1,200 for the carpet in her living room. The room has an area of 251.2 square feet. What was her unit cost of carpeting in dollars per square foot? Round to the nearest cent.

MUSIC Randall recorded 8 songs on his most recent CD. The total length of the CD is 49 minutes. Find a unit rate to represent the average length per song on the CD.

TRAVEL During Sonia's trip across the country, she traveled 2,884 miles. Her trip took 7 days. Find a unit rate to represent the average miles she traveled per day during the trip.

$$\frac{2884}{7} = 412 \text{ mi/day}$$

CARPETING Hana paid \$1,200 for the carpet in her living room. The room has an area of 251.2 square feet. What was her unit cost of carpeting in dollars per square foot? Round to the nearest cent.

$$\frac{1200}{251.2} = \$4.78/\text{ft}^2$$

BUDGET Steve was offered \$5,025 per year for a weekend lifeguarding job at a local pool. He wants to know how much his monthly income will be at this salary level. What is his rate of pay in dollars per month?

$$\frac{5025}{12} = \$418.75/\text{mo}$$

MUSIC Randall recorded 8 songs on his most recent CD. The total length of the CD is 49 minutes. Find a unit rate to represent the average length per song on the CD.

$$\frac{49}{8} = 6.125 \text{ min/song}$$



\$4.99



LIMIT 4 PER VARIETY

**Chobani
Greek Yogurt**
32-oz. cont., Any Variety

**your
choice** **\$2.99**



**Taylor
Pork Roll**

6-oz. pkg., Thick or Thin

**Oscar Mayer
Bacon**

2.52-oz. pkg., Fully Cooked

