

Writing Ratios

A group of students had a choice of either hamburgers or pizza for lunch. There were 12 students - five chose pizza and seven chose hamburgers.

What is the ratio of pizza to hamburgers? 5:7,5 to $7, \frac{5}{2}$

What is the ratio of hamburgers to pizza?

7705

What is the ratio of pizza to students?



Rates		
Rate = a ratio that compares 2 quantities		
measured in <u>different</u>	units.	
Example: 75 miles ÷ 3 3/hours ÷ 3		

Writing Ratios

In basketball you make 15 out of 25 free throws. Show the ratio of free throws made to free throws taken 4 different ways.

15:25 15to25 3705 15





Using Unit Rates				
	Find the price per ounce for each box of cereal to determine which is the better deal.	CEREAL COMPACT		
18 oz box	1100			
\$3.909	4.80 2402.	\$4.80		
3.96	.20	U		
22	1 02,			
102.				

Using Unit Rates

If John can paint 1/8 of a wall in 11 minutes, how long will it take him to paint a room with 3 walls?

1 Wall . 24	<u> 3walls</u>
11min .24	264 mir

Using Unit Rates

A 3-pound package of ground beef is \$7.80. A $\frac{1}{2}$ -pound package is \$1.28. What is the difference in the cost per pound between the larger and smaller packages of beef?

$$\frac{7.80^{+3}}{310.^{+3}} = \frac{1.28 \times 2}{\frac{1}{2}10.\times 2} = \frac{2.56}{110}$$

Warm up
$$\frac{1}{27}$$
.
Find the solution set:
 $-4 \ge 4(-x+2)$
 $-4 \ge 4(-x+2)$
 $-4 \ge 4(-x+2)$
 $-4 \ge -4x+8$
 $-8 = -8$
 $-12 = -4x$
 $-4 \ge -4x + 8$
 $-12 = -4x$
 $-4 \ge -4x + 8$
 $-4 \ge -3x + 8$
 $-4 = -3x + 8$



$$-1.3 \times -8.7 + -.8 \times -4.2 + 8.7 + 8.7 + 8.7 + 1.3 \times -5.8 \times +4.5 + .8 \times -5.8 \times +4.5 + .8 \times -5.5 \times + .4.5 \times -5.5 \times$$

$$3(x-8) \leq -93$$

-4 -x > 8.6
-4 - 4.0
 $-\frac{x}{4} > \frac{4.6}{-1}$
 $x < -4.6$

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