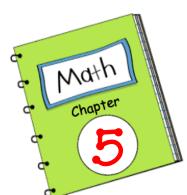


NAME		DATE	PERIOD
Lesson 7 l	Reteach * Calcula	tors ok *	
Solving Prop	portions		
A proportion is a	an equation stating that two ratio	os or rates are equal.	
1		$\frac{a}{b} = \frac{c}{d}$	
* An important pro	operty of proportions is that their nvolving proportions.	cross products are equal. Y	ou can use this property to
solve problems in			2
	2		
	a	d = bc	
Example	Solve the proportion $\frac{14.1}{c} =$	3	
<u>11</u> 3	solve the proportion $\frac{1}{c}$	4	
$14.1 \cdot 4 = c \cdot 3$	Conseguete To a b	a multiply the	two you know (
56.4 = 3c		livide by the a	
$\frac{56.4}{3} = \frac{3c}{3}$			
5 5	Divide.	u can use equ	uivalent Fraction
18.8 = c	simplify. (It's	easier.)	
The solution is 1	8.8.	Ex: 2 X3	uivalent Fraction
Exercises		3 9	
Solve each prope		*3	
··· 9 12	6 ×9 ÷ 12 = 2.	32.7+28 3	$\frac{5}{\mu} = \frac{60}{132}$
	k =	w =	100
$4.\frac{36}{21} = \frac{24}{s}$	5. $\frac{a}{64} = \frac{225}{480}$	6	$\frac{42}{w} = \frac{56}{8}$
	V1 100		0
$7.\frac{1}{10} = \frac{m}{12}$	8. $\frac{5}{3} = \frac{85}{h}$	9	$\frac{24}{g} = \frac{2}{30}$
10 12	5 n		8 20
10. $\frac{f}{21} = \frac{57}{63}$	11. $\frac{22}{z} = \frac{121}{165}$	12	$\frac{2}{3} = \frac{k}{12.6}$
21 05	~ 10.3	,	5 12.6
$13.\frac{r}{9} = \frac{5}{20}$	14. $\frac{d}{21} = \frac{1.5}{3.5}$	15	$\frac{46}{57.5} = \frac{360}{9}$
9 20	21 3.5		57.5 4
1c 4.2 _ d	17. $\frac{1}{c} = \frac{4.5}{11.7}$. 18	$\frac{0.3}{n} = \frac{4.75}{14.25}$
10. 10 = 00	c 11.7	-01	n 14.25
$16.\frac{4.2}{4.8} = \frac{d}{80}$			



TETLE: Ratios and



Date	Lesson	Topic/Assignment
12-4	4	Converting Rates Video Notes
12-7		Converting Rates in-class Notes
12-10	4 4	Converting Rates More Examples (7L)
12-11	7	Solving Proportions Video Notes
12-11	7	Classwork: Reteach WS



Measurement	Conversions
-------------	-------------

I	Length
Customary to Metric	Metric to Customary
1 in = 2.54 cm	1 cm = 0.394 in
1 ft = 0.305 m	1 m = 3.279 ft
1 yd = 0.914 m	1 m = 1.094 yd
1 mi = 1.609 km	1 km = 0.621 mi
1	m = 100 cm
11	km = 1000 m
1	mi = 5280 ft
	1 yd = 3 ft

Сар	acity
Customary to Metric	Metric to Customary
1 fl oz = 29.574 mL	1 mL = 0.034 fl oz
1 pt = 0.473 L	1 L = 2.114 pt
1 qt = 0.946 L	1 L = 1.057 qt
1 gal = 3.785 L	1 L = 0.264 gal
1 L = 1	1000 mL
1 c =	8 fl oz
1 pt	= 2 c
1 qt	= 2 pt
1 ga	= 4 qt

Mass or Weight				
Customary to Metric	Metric to Customary			
1 oz = 28.350 g	1 g = 0.035 oz			
1 lb = 0.454 kg	1 kg = 2.203 lb			
1 kg	= 1000 g			