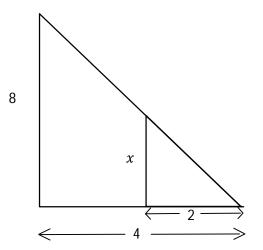
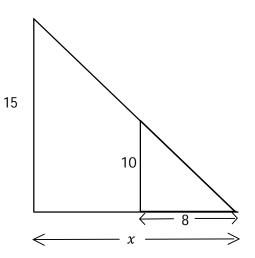
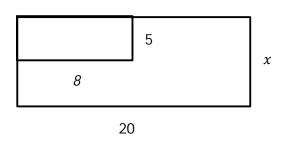
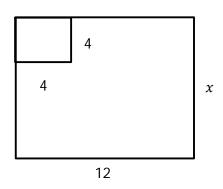
M8 - 2.1 - E	qual Fraction	s HW			
Solve for the $x$ .					
1 ? 3	$\frac{3}{4} = \frac{x}{9}$	$\frac{3}{5} = \frac{x}{20}$	$\frac{2}{3} = \frac{x}{21}$	$\frac{1}{3} = \frac{x}{18}$	
2 6 × 3	4 6	5 20	3 21	3 18	
$\frac{x}{2} = \frac{3}{6}$	$\frac{x}{4} = \frac{5}{20}$	$\frac{x}{3} = \frac{4}{6}$	$\frac{x}{6} = \frac{18}{36}$	$\frac{x}{7} = \frac{14}{49}$	
3 6	4 16	$\frac{7}{x} = \frac{14}{24}$	3 21	$\frac{5}{x} = \frac{25}{30}$	
$\frac{3}{x} = \frac{6}{26}$	$\frac{4}{x} = \frac{16}{20}$	$\frac{1}{x} = \frac{1}{24}$	$\frac{1}{x} = \frac{1}{35}$	$\frac{1}{x} = \frac{1}{30}$	
$\frac{3}{4} = \frac{9}{x}$	$\frac{3}{7} = \frac{12}{x}$	$\frac{7}{9} = \frac{14}{x}$	$\frac{4}{5} = \frac{32}{4}$	$\frac{6}{7} = \frac{54}{x}$	
4 x	7 x	9 x	5 X	7 x	
Solve for the $x$ .					
$ \begin{array}{c} \times 2.5 \\ \hline 1 = ? \\ \hline 2 = 5 \\ \\ \div 2.5 \end{array} $ $ \begin{array}{c} \times 2.5 \\ \hline 5 \\ \div 2 = 2.5 \end{array} $	$\frac{3}{4} = \frac{x}{6}$	$\frac{3}{5} = \frac{x}{12}$	$\frac{2}{3} = \frac{x}{10}$	$\frac{1}{3} = \frac{x}{25}$	
÷ 2.5					
$5 \div 2 = 2.5$	x 5	x 4	x 18	14	
$\frac{x}{1} = \frac{3}{6}$	$\frac{x}{4} = \frac{5}{18}$	$\frac{x}{3} = \frac{4}{8}$	$\frac{x}{6} = \frac{18}{20}$	$\frac{x}{7} = \frac{14}{50}$	
$\frac{3}{x} = \frac{20}{26}$	$\frac{4}{x} = \frac{15}{20}$	$\frac{7}{x} = \frac{4}{24}$	$\frac{3}{x} = \frac{2}{35}$	$\frac{5}{x} = \frac{32}{30}$	
x 26	<i>x</i> 20	x 24	x SO	x 30	
$\frac{2}{4} = \frac{9}{x}$	$\frac{3}{7} = \frac{13}{x}$	$\frac{7}{9} = \frac{20}{x}$	$\frac{4}{5} = \frac{35}{x}$	$\frac{6}{7} = \frac{50}{x}$	
. 50					

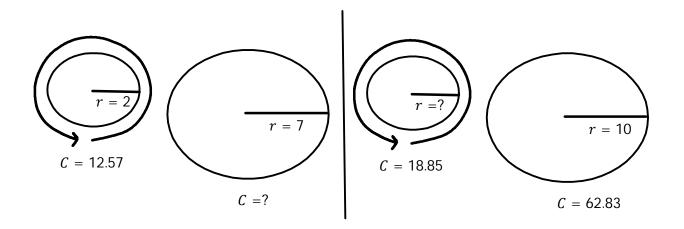
M8 - 2.2 - Similar Shapes HW





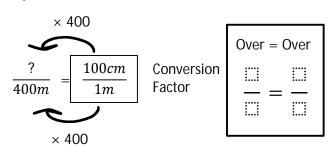






### M8 - 2.3 - Conversions Notes/HW

#### How many Centimeters around a 400 Meter track?



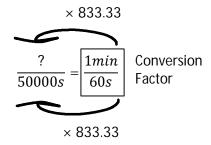
 $100cm \times 400 = 40000cm$ 

There are 40000 cm around a 400 m track.

# 1cm = 10mm 1m = 100cm 1km = 1000m 1in = 2.54cm 1m = 3.3ft 1ft = 30.48cm 1yd = 0.9144m 1mi = 60s 1hr = 60min 1mi = 1.609 km

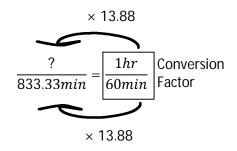
## Two Steps

### How many Hours in 50000 Seconds?



 $1min \times 833.33 = 833.33min$ 

There are 833.33 min in 50000s.



 $1hr \times 13.88 = 13.88hr$ There are 13.88 hrs in 50,000 s

How many meters in 2400 km?

How many centimetres in 7.6 m?

How many days in 500 hours?

How many kilometres in 800 m?

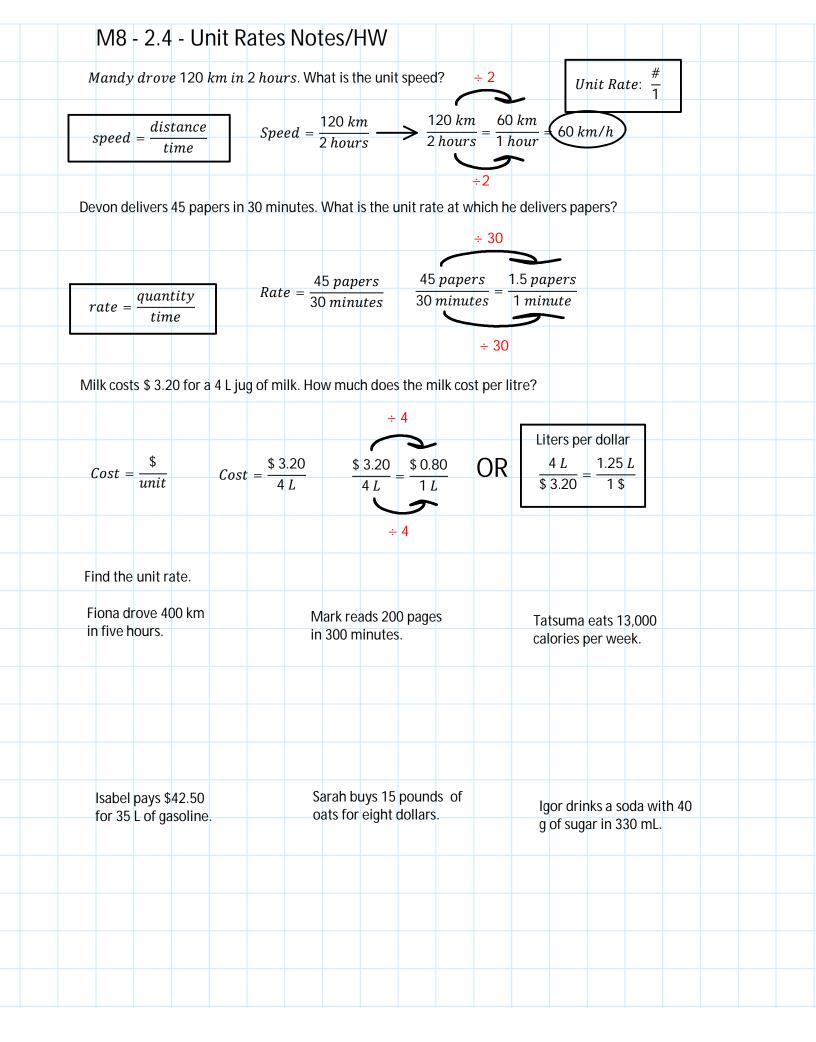
How many seconds in 400 minutes?

How many inches in 8 cm?

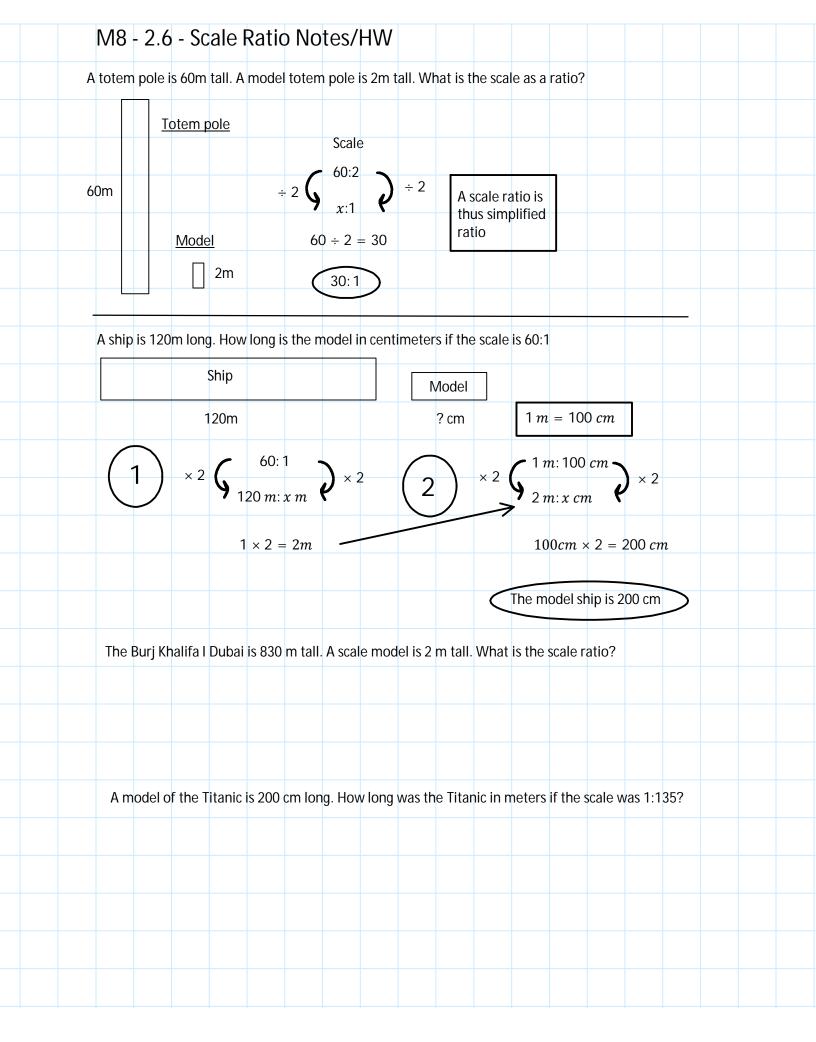
How many centimetres in 3.5 km?

How many days in 10,000 hours?

How many inches in 3 m?



	M8 - 2	.5 -	Equal F	Ratio	os HV	N										
	Simplify	the fo	llowing ro	itios i	ie. #:1											
	3:9		6	: 8			12:	20			14:	21		6:18	8	
÷ 3	3:9	÷ 3														
	3:6		5:	20			4:6	5			18:3	36		14:4	49	
	6:26		16	: 20			14:	24			21 :	35		25 : 3	30	
	9:12		12:	28			14:	1Ω			32 : 4	0		54 : 6	<b>43</b>	
			12.	20			14.	10			32 · 4	U		01.0		
	Solve the f	ollowi	ing ratios.													
	1	0:5			7: 98				1:1	15			0.0			
	'	<i>x</i> : 3			x: 400				<i>x</i> : 2				2: 3 x:8			
							_									
		0: 9 8: <i>x</i>					2: <i>x</i> 4: 7				<i>x</i> 3	: 5 : 7				



M8	- 2.7	- Ra	itios	Mar	rbles	s HW	/										
Thoro	are 13	hove a	nd 15	airle in	a clas	croom	If the	schoo	l hac ti	ho san	o rati	o of bo	ovs to (	nirls ho	w mar	21/	
	re in th											ט טו טנ	Jys to (	JII IS I IO	vv IIIai	ıy	
					J		,										
Bruce	exerci	ses thr	ee dav	s a we	ek. Ho	w mar	าง	Ar	ngelina	does	one ar	nd a ha	alf hou	rs of			
	does he						J	ho	mewc	rk eve	ry nigl	nt. Ho	w man	y hour			
														k? Hov	v many	y	
								110	ours do	)G2 2116	uo ez	icii yea	ai (				
There	e are 30	00 tota	l block	s in a t	toy bin	of onl	٧		Huma	ns slee	ep eigh	ıt houi	rs each	night	on		
dinos	aurs ar	nd cars	. If the	re are	doubl	e t <b>h</b> e r	numbe		averaç	ge. If a	huma	n lives	for 80	years	how		
of dir	nosaurs	s as car	s how	many	dinosa	aurs ar	e ther	e?	many	nours	or siee	ep wiii	they s	eep?			
	onic pl							averag	e. How	many	years	did th	e Pacif	ic ocea	n of w	/idth	
abo	ut 17,7	00 km	take to	form	from I	Pangea	a?										