Grade 10 Essential

Quiz Debrief



GRADE 10 ESSENTIAL QUIZ WEEK 4 - 221201

Name:_____ Date:

Weekly quiz. V

You need Your OWN for final exam!

Closed book. Use your cheat sheet (use mine for now if necessary)
Conversion Tables. Always allowed the conversion tables
Round all decimal answers to the nearest 0.01 unless otherwise indicated
Each individual question is worth two marks

Solve for x:

Show work.

a.
$$\frac{5}{12} = \frac{x}{20}$$

b.
$$\frac{8}{12} = \frac{30}{x}$$

1. Solve for x:

Solve proportions!

a.
$$\frac{5}{12} = \frac{x}{20}$$

Check!

b.
$$\frac{8}{12} = \frac{30}{x}$$

$$\frac{8}{12} \times \frac{30}{2}$$
 Cross multiply $8x = 12.30$
 $8x = 360$
 $x = 360/4 = 365$

2. If 5 bananas cost \$12.00, determine how many bananas you can buy for \$20.00 Payattention to units

Cross Multiply!

Check ? 12. (8.33) = 5.20 99.96 = 100/

loligen would probably get 8 Whole bananas!

3. Convert the units of measure as indicated (use either method)

(a)
$$8.3 \text{ km} = ____ \text{mi}$$
 $8.3 \text{ km} \cdot \left(\frac{0.6214 \text{ mi}}{1 \text{ km}}\right) = 5.16 \text{ mi}$

$$\frac{\times mi}{8.32m} = \frac{0.6214mi}{132m}$$
; $\chi = \frac{8.3.0.6214}{1} = 5.16 \text{ miles}$

Converting between systems (Imperial ↔ Metric [SI])

Conversions	s SI to	Non-SI Length
1 metre [m]	=	3.2808 feet [ft]
1 metre [m]	=	39.37 inches [in]_
[kilometre [km]	=	0.6214 miles [mi]
1 mile [mi]	=	1.609 km
l inch [in]	=	2.54 cm

2.205 pounds lb 1.1 ton

4. Convert as indicated

a. 58 inches = 4 ft 10 in

b. 15 yards = ____ft 15 yard' $\left(\frac{3}{1}\frac{ft}{yat}\right)$ = $\left(\frac{45}{1}\frac{ft}{yat}\right)$

Conversions Non-SI (Imperial) for Length			
1 mile [mi]	=	1,760 yards [yd]	
1 yard [yd]	=	3 feet [ft]	
1 mile [mi]	=	5280 ft	
1 foot [ft]	=	12 inches [in]	
1 yard [yd]	=	36 inches [in]	

Conversions SI to Non-SI Length				
l metre [m]	=	3.2808 feet [ft]		
1 metre [m]	=	39.37 inches [in]		
1 kilometre [km]	=	0.6214 miles [mi]		

12) 58

5. Add or subtract as indicated:

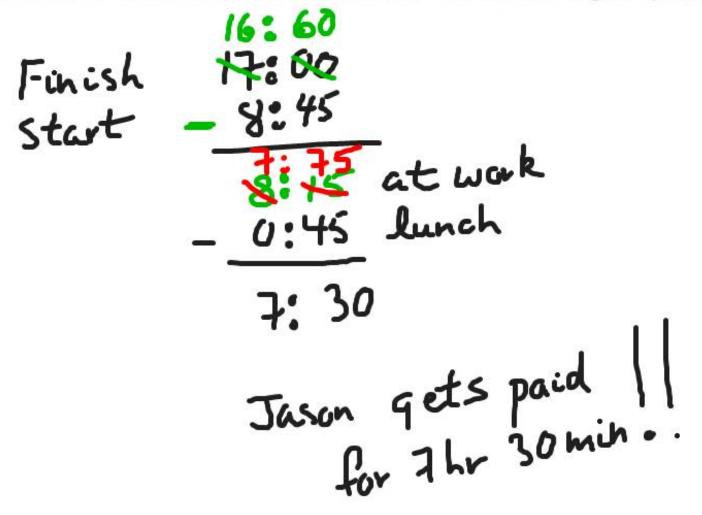
4 ft 8 in +2 ft 10 in 18 in -7 | ft 6 in 7 ft 6 in SIBSOZ Check Carries

516 1102 Check carries

always 105

(2) 3 hr 52 min + 1 hr 13 min = 5 hr 05 min

3:52 + 1:13 - 1:13 - 1:13 - 1:13 Jason comes to work at 08:45 and leaves at 17:00. He gets a 45 min lunch break. Determine the amount of time for which he gets paid.



7. Destiny gets paid \$16.25 per hour. She gets overtime pay (O/T) after 40 hours in any week. Overtime pay is 'time and a half'. Calculate Destiny's Gross pay for the week. Her work schedule hours this week are as follows:

Mon	Tues	Wed	Thur	Fri	Sat	Sun	Total
8	10	8	7	11	3	0	= 47

Mike Miser is saving up for a new game. He saves \$2 the first week. Each week after that he saves twice as much as he saved the week before. If this pattern continues, how much will he have saved in 6 weeks?

Lots of ways to solve Use a table, organizer this! 2 3 4 5 6 4 8 96 32 64 6 14 30 62 (126) WR weekly Saving Total Savings

Mike will have saved \$126 in the six weeks

BONUS QUESTIONS (extra marks if you need them)

9. MrF sends a student to Timmies with \$50 to buy some donuts. He wants 30 donuts, but he wants only chocolate or maple. Chocolate donuts cost \$2 each and maple cost \$3 each. How many of each donut will the student get if she spends the entire \$50.

one got in o	oponac		Mun: 1- LOVE
# Chac	井 MAPUS	Total Danuts	Total these! Afew 1 cost ways to solve. 15.2 + 15.3 ways to solve. =\$75 × Wrow Guess & Check?
15	15	30	=\$75 × WRONG Guess & Check.
20?+	10 =	30	20.1+10.3 = 40+30=\$70 × BZZZZT! WRONG
	5 =		25.2+5.3 77 What
30 -	- 0 -	30	
what	II No	Solut i	sometimes and solution
	he stup	id ma	Sometimes there is NO solution teacher solution not give enough money for not give enough 30 donuts,
		01	20.000.

 Your final exam is six weeks away! Calculate how many seconds remain until your final exam.

Only three million, six hundred twenty eight thousand, eight hundred seconds left!





LOAD CLEAR!

