Warm up Grade 8

April 10, 2019

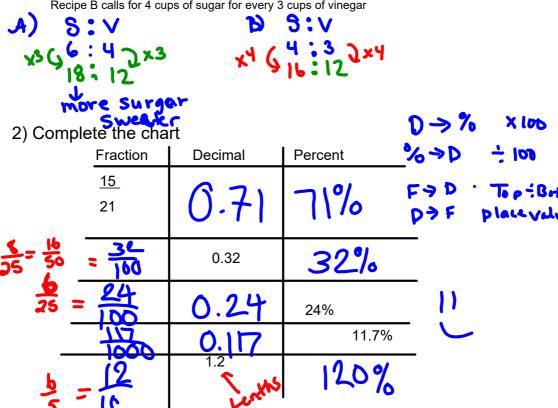


Tuesday April 16, TEST on Chapter 5

1) III two separate pickle recipes the ratio of Sugar to Vinegar is different? Explain how you know which is sweeter? MUST show math

Recipe A calls for 6 cups of sugar for every 4 cups of vinegar

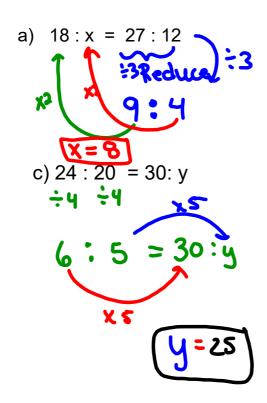
Recipe B calls for 4 cups of sugar for every 3 cups of vinegar

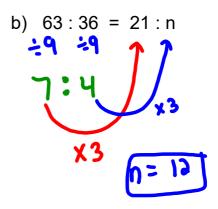


5) If 55% of the regular price is \$19.25, what is the regular price?

Find the missing variable:

may need to reduce before you start





P2 285
10. Alison

⊕ 6 05 13 shots

×9 ×9

54 05 117

6 = 0.46 13 or 46% of shots

Nodhu played better.

Nadhu 5,3 + 9, shots 65 of 117

5 = 0.555. or 56% of shots

2 pizza for 3 posple -3 pizza / person 0.666...

Alberta
3 pi 2220 sfor 50 person

5 or 0.6

The Colgary team received more pizza per person

percent of a pizza each person received.

12 Reinet 5.	OR S	, Re cip	eß
* Reight 51 7 Vinear: 01 1 150: 250	3:5 9:16 41:80 45:50	vinegar :	400
450: 750	 Thur B		. 800

Recipe A has a stronger vingar taste, they both have 450m/ of vinegar, but A has less oil.

13. Ms Arbuckle Fiction: Non Fiction Fiction 1 Non Fict.

7: 5
4:3
40:30
Fiction
Fiction
Fiction

Mr. Albright

b) Ms Arbuckle

$$\frac{30}{72} = 0.42$$
 or 42%

Mr. Albright $\frac{30}{70} = 0.43$ or 43%

14. A conc: water B conc: water 2:1

b) A 6:3 6:4 then add one can of water to A to make the conc: water the same.

15. a)	red: yellow	b) red: yellow
A	4: 12	1:3
B	3: 15	1:5
C	2:3	1:1.5

- a) Shade C will have the most red
- d) Shade B will have the most yellow.

16. Cage A Cage B
White: Brown
5:6
7:5

Marcel says Bhas more brown, A> = and = ===

He is correct, he compared brown to all.

17. Glider A Glider B 14:3 15:4 56:12 45:12

Glider A will more forward Som for every 12 m of altitude lost Glider B will more forward 45 m for every 12 m of altitude lost.

Glider A will cover the most horizontal distance.

18. One box
Hockey: Basketbal: All
4:3:7
20:16:35
21:14:35

pg. 291

$$\chi = 10$$
(e) 6 : c = 2 : 11

$$6: 33 = 3:1 \frac{1}{3}$$

(b)
$$v: 60 = 3: 10$$
 $(6) = 3: 10$
 $(7) = 3: 10$
 $(8) = 3: 10$
 $(8) = 3: 10$
 $(9) = 3: 10$

(d)
$$s:28 = 9:4$$

(f)
$$39 : b = 3 : 2$$

(b)
$$45:72 = 5:n$$

 $45:72 = 5:$
 $n = 8$

(d)
$$81:27 = 9:m$$

 $81:27 = 9:3$
 $m = 3$

(f)
$$8 : s = 64 : 80$$

 $8 : 10 = 64 : 80$
 $5 = 10$

6. (a)
$$1:6=a:54$$

$$(c)$$
 2:15 = f:75
2:15 = __:75
 $f = 10$

(e)
$$3:7=30:p$$

7. (a)
$$18: a = 14:21$$

(c)
$$m:18 = 18:27$$

$$-18=6.9$$

(e)
$$6:8=j:44$$

(d)
$$42:36=g:6$$

42:36:
$$-$$
:6
(f) 26:65 = 2:r

(f)
$$26:65=2:r$$

(b)
$$35:b = 15:12$$

(d)
$$88:33 = h:6$$

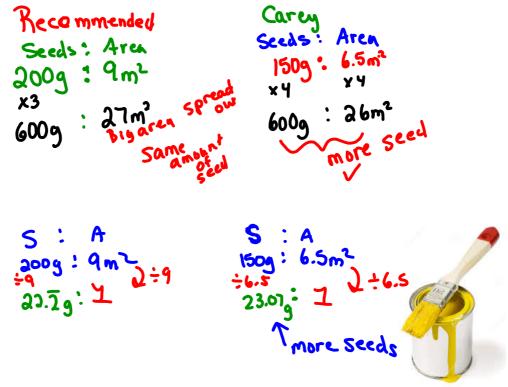
(f)
$$15:42=20:w$$



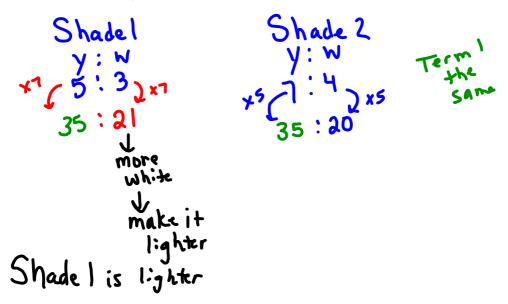
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1) The recommended seeding on a package of grass seed is 200 g per 9 m². Carey spread 150 g over 6.5 m². Is this more than, equal to, or less than the recommended seeding? How do you know? (Make a term 1)



2) A contractor brought 2 shades of yellow paint for his Cherris to see. Shade 1 is made by mixing 5 cans of yellow paint with 3 cans of white paint. Shade 2 is made by mixing 7 cans of yellow paint with 4 cans of white paint. The clients want the lighter shade. Which shade should they choose?





Solving Ratio Problems

Have students work on Investigate pg. 287

Recipe for Apple pie that serves 6 people.

500 ml flour

200 ml of margarine

500 g sliced apples

125 g sugar.

Toby only has 350 g of sliced apples.

How much of each of the ingredients does Toby need to make the pie?

How many people will Toby's pie serve?



Solving Ratio Problems

Have students work on Investigate pg. 287

Recipe for Apple pie that serves 6 people.

500 ml flour

500 ml flour

500 ml of margarine

500 g sliced apples

125 g sugar.

125 g sugar.

126 g sugar.

Toby only has 350 g of sliced apples.

How much of each of the ingredients does Toby need to make the pie?

How many people will Toby's pie serve?

$$7 = 35 = 350$$
10 50 500

ONLY MAKES 70% OF BATCH 70% OF 6 = 4.2

When given a question to find the missing variable in a ratio:

- First see if you can multiply or divide to get a term in the second ratio.
- Reduce the given ratio, if possible, then recheck to see if you can multiply or divide.
- Finally, make the same term in each ratio equal to solve for the missing term.

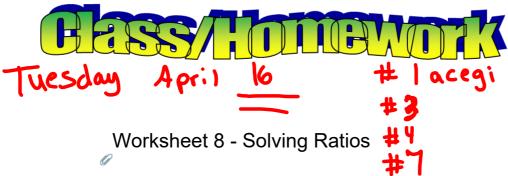
Examples

a)
$$3:8 = __ : 24$$

c)
$$4:9 = v:10$$



hint can you make the second term the same??



Part 1) 10 MC

Part 2) 9 short response

- #1) Find the missing number in each equivalent ratio ex) 25 : 5 = __ : 7
- #2) Find the % of a number Ex) Find 200 % of 240 b) Find 0.5% of 240
- #3) Discount, Sales Price, tax, cost with tax
- ex) The cost of a a bike is \$550. Next week it is going on sale for 25% off. The sales tax is 15% here in NB. a) Calculate the discount and the sales price. B) Calculate the tax and the total cost with tax.
- #4) Kevin has saved 82% of the regular price of his shirt which is \$74.62. How much more does he have to save to get to the regular price. (Hint : this is a 2 step question)
 - #5) Compare ratios
 - #6) Given a picture of shapes write the ratios indicated
 - #7) Comparing ratios and determine who has done better within a game
- # 8) Express as a unit rate (Second term must be 1) Ex) Earn \$90 in 3 hours then \$30 in 1 Hour
 - #9) a)Given 3 options to buy, which is the better deal
 - b) If yoiu need a certain amout which is the best option (Explain)

Extra Practice 8 Solving Ratios.pdf