

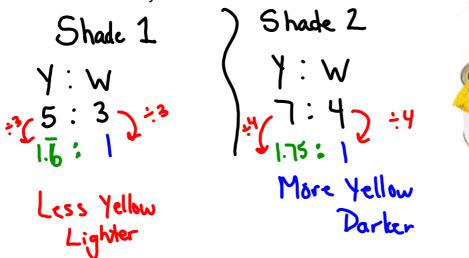
Warm Up Grade 8

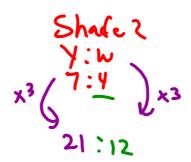
Test Wed. April 24



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 clients 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?





Pa 285

10. Alison

& 6 of 13 shots

54 05 117

6 -0.46 13 or 46% of shot s

Nodhu played better.

Nadhu 5,3 + 9, shotus 65 of 117

5 = 0.555. or 56% of shots

2 pizzafor3 pouple

3 pi22a / pesson

0.666..

Alberta
3 pi 2220 sfor 5 sterle
3 pi 2220 sfor 5 sterle
3 person
6 or 0.6

The Colgary team received more pizza per person

percent of a pizza each person received.

Recipe A has a stronger vinegar

taste, they both have 450m/ of vinegor, but A has less oil.

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

7: 5
4:3
40:30
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.

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

16. Cage Ar Cage B White: Brown White I Brown 5:67:5

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

He is correct, he campared 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

(c)
$$x : 15 = 2 : 3$$

(d) $15 = 2 : 3$

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

$$6: 33 = 2:1 \frac{1}{3}$$

$$c=33$$

5. (a)
$$5:t = 15:36$$

8 $5: 12 = 15:36$
 $k = 12$

(b)
$$v: 60 = 3: 10$$
 $(6) = 3: 10$
 $(6) = 3: 10$
 $(6) = 3: 10$
 $(6) = 3: 10$
 $(7) = 18$

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

$$2:15 = f:75$$

2:15 = __:75
 $f = 10$

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

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

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

$$-118=6.9$$
 $m=12$

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

(b)
$$3:8=e:40$$

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

42:36: —: 6

$$6$$
 = 7
(f) $26:65=2:r$

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

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

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

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



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

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500 ml of margarine

500 g sliced apples

125 g sugar.

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126 g sliced specification of the state of the sta

Toby only has 350 g of sliced apples.

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How many people will Toby's pie serve?

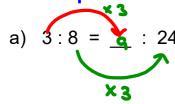
$$7 = 35 = 350$$
10 50 500

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



c)
$$4:9 = \underline{v}:10$$

$$4:9 = v:10$$

hint can you make the second term the same??



Worksheet 8 - Solving Ratios

Extra Practice 8 Solving Ratios.pdf