$-1 \dfrac{14}{15}$

Name: Loz

Date: 2-10-2021

7.6

Complete to find the equivalent ratios.

8. $1 : 4 : 5 =$ __2__ $: 8 : 10$

9. $4 : 7 : 9 =$ __12__ $:$ __21__ $: 27$

10. $5 : 2 : 8 = 15 :$ __6__ $:$ __24__

11. $10 : 16 : 8 =$ __5__ $:$ __8__ $: 4$

12. $12 : 20 : 36 =$ __3__ $: 5 :$ __9__

13. $45 : 27 : 63 = 5 :$ __3__ $:$ __7__

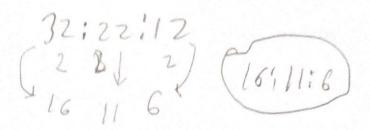**Solve. Show your work.**

14. During the lunch break, 12 plates of baked rice, 15 plates of pasta, and 24 plates of salad were sold at the snack bar. Find the ratio of the number of plates of baked rice sold to the number of plates of pasta sold to the number of plates of salad sold. Express your answer in simplest form.
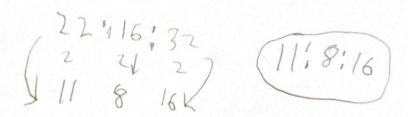
$$\left(\begin{array}{ccc} 12 & 15 & 24 \\ 3 & 3 & 3 \\ 4 & 5 & 8 \end{array} \right)$$

$4 : 5 : 8$

(7.6)

Solve. Show your work. Express your answers in simplest form.

15. Mr. Carson counted how much fruit he sold in his shop on a Sunday.
He sold 32 oranges, 22 apples, 12 cantaloupes, and 16 pears.

a. Find the ratio of the number of oranges sold to the number of apples
sold to the number of cantaloupes sold.

$$32 : 22 : 12$$
$$\left(\begin{array}{ccc} 2 & 8\downarrow & 2 \\ 16 & 11 & 6 \end{array}\right)$$

$$\boxed{16 : 11 : 6}$$

b. Find the ratio of the number of apples sold to the number of pears sold
to the number of oranges sold.

$$22 : 16 : 32$$
$$\left(\begin{array}{ccc} 2 & 4\downarrow & 2 \\ 11 & 8 & 16 \end{array}\right)$$

$$\boxed{11 : 8 : 16}$$

c. Find the ratio of the total number of orange and apples sold to the
total number of cantaloupes and pears sold.

−1

simple

$$16 + 11 = 27$$
$$\frac{6 + 8 = 14}{41}$$

or

regular

$$32 + 22 = 54$$
$$\frac{12 + 16 = 28}{82} +$$

27 : 14