

Equivalent Ratios**ER2**

Solve for the missing variable:

1. $\frac{4}{5} = \frac{28}{n}$

2. $\frac{n}{5} = \frac{5}{25}$

3. $\frac{12}{n} = \frac{21}{49}$

4. $\frac{9}{18} = \frac{n}{100}$

5. $\frac{n}{90} = \frac{14}{36}$

6. $\frac{6}{22} = \frac{n}{121}$

7. $\frac{5}{2} = \frac{95}{n}$

8. $35 : 42 = n : 12$

9. $17 : 21 = n : 42$

10. $n : 51 = 4 : 6$

Review:

11. Jorge has 266 baseball cards. Of those cards, 140 are from the American League, and the rest are from the National League. Write a ratio of National League card to American League cards.

12. Payal worked at her mother's nail salon. She worked 3 hours on Monday, 2 hours on Wednesday, 4 hours on Friday, and 7 hours on Saturday. Write a ratio of hours she worked Friday to the total hours she worked.

13. Divide. Remember to keep, change and flip.

A. $24 \div 2\frac{2}{7}$

B. $\frac{4}{9} \div \frac{8}{9}$

Equivalent Ratios

ER2- Key

Solve for the missing variable:

1. $\frac{4}{5} = \frac{28}{n=35}$

2. $\frac{n=1}{5} = \frac{5}{25}$

3. $\frac{12}{n=28} = \frac{21}{49}$

4. $\frac{9}{18} = \frac{n=50}{100}$

5. $\frac{n=35}{90} = \frac{14}{36}$

6. $\frac{6}{22} = \frac{n=33}{121}$

7. $\frac{5}{2} = \frac{95}{n=38}$

8. $35 : 42 \quad n=10 : 12$

9. $17 : 21 \quad n=34 : 42$

10. $n=34 : 51 \quad 4 : 6$

Review:

11. Jorge has 266 baseball cards. Of those cards, 140 are from the American League, and the rest are from the National League. Write a ratio of National League card to American League cards.

$$266 - 140 = 126 \quad 126 : 140 = 63 : 70 = 9 : 10$$

12. Payal worked at her mother's nail salon. She worked 3 hours on Monday, 2 hours on Wednesday, 4 hours on Friday, and 7 hours on Saturday. Write a ratio of hours she worked Friday to the total hours she worked.

$$4 : 16 = 1 : 4$$

13. Divide. Remember to keep, change and flip.

A. $24 \div 2\frac{2}{7} \quad \frac{24}{1} \cdot \frac{7}{16} = \frac{3}{1} \cdot \frac{7}{2} = \frac{21}{2} = 10\frac{1}{2}$

B. $\frac{4}{9} \div \frac{8}{9} \quad \frac{4}{9} \cdot \frac{9}{8} = \frac{1}{2}$