

Equivalent Ratios

Write four equivalent ratios for each.

1. 3:9 _____

2. $\frac{4}{12}$ _____

3. $\frac{1}{6}$ _____

4. 24 to 12 _____

5. 18:6 _____

6. 2 to 4 _____

Write each ratio in simplest form.

7. 12:18 _____

8. $\frac{24}{32}$ _____

9. 8 to 56 _____

10. 15:45 _____

11. $\frac{16}{24}$ _____

12. $\frac{20}{36}$ _____

13. 27:72 _____

14. 20 to 24 _____

Algebra • Equations Complete each set of equivalent ratios.

15. $\frac{2}{7} = \frac{6}{\square}$ _____

16. $\frac{18}{24} = \frac{\square}{8}$ _____

17. $\frac{12}{21} = \frac{\square}{14}$ _____

18. $\frac{10}{15} = \frac{16}{\square}$ _____

19. The ratio of cats to birds in the pet store is 2:9. There are 18 birds in the store. How many cats are in the store?
- _____

20. Lucas bought 6 red marbles, 2 blue marbles, and 4 green marbles. Find the ratio of red marbles to all the marbles. Then write it in simplest form.
- _____



Test Prep

21. Find all the whole number ratios equal to 36:42 with denominators less than 42.
- _____

22. Find the ratio that is equivalent to 18:30.

A $\frac{9}{10}$

C $\frac{24}{40}$

B $\frac{36}{45}$

D $\frac{32}{50}$