Find Equivalent Fractions and Fractions in Simplest Form

P 11-3 PRACTICE

Draw an equivalent fraction for each.

1. [$\frac{1}{2}$]

2. [$\frac{1}{4}$ | $\frac{1}{4}$ | $\frac{1}{4}$]

3. [$\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$ | $\frac{1}{5}$]

Complete to find equivalent fractions.

4. $\dfrac{4 \div 2}{10 \div \square} = \dfrac{2}{\square}$

5. $\dfrac{1 \times \square}{2 \times 8} = \dfrac{\square}{16}$

6. $\dfrac{2 \div 2}{8 \div \square} = \dfrac{1}{\square}$

7. $\dfrac{1 \times \square}{5 \times 4} = \dfrac{\square}{20}$

8. $\dfrac{4}{5} = \dfrac{\square}{10}$

9. $\dfrac{1}{2} = \dfrac{6}{\square}$

10. $\dfrac{4}{\square} = \dfrac{1}{4}$

11. $\dfrac{9}{12} = \dfrac{\square}{4}$

Name an equivalent fraction for each.

12. $\dfrac{3}{7} = $ ____

13. $\dfrac{4}{5} = $ ____

14. $\dfrac{6}{15} = $ ____

15. $\dfrac{4}{12} = $ ____

Write each fraction in simplest form.

16. $\dfrac{4}{10} = $ ____

17. $\dfrac{6}{12} = $ ____

18. $\dfrac{3}{18} = $ ____

19. $\dfrac{6}{18} = $ ____

20. $\dfrac{8}{12} = $ ____

21. $\dfrac{3}{21} = $ ____

22. $\dfrac{10}{30} = $ ____

23. $\dfrac{8}{20} = $ ____

24. $\dfrac{5}{15} = $ ____

25. $\dfrac{9}{24} = $ ____

26. $\dfrac{12}{24} = $ ____

27. $\dfrac{24}{32} = $ ____

Complete the pattern of equivalent fractions.

28. $\dfrac{1}{4} = \dfrac{\square}{8} = \dfrac{\square}{12} = \dfrac{\square}{16} = \dfrac{\square}{20} = \dfrac{\square}{24}$

29. $\dfrac{1}{3} = \dfrac{\square}{6} = \dfrac{\square}{9} = \dfrac{\square}{12} = \dfrac{\square}{15} = \dfrac{\square}{18}$

Problem Solving

30. A box contains 6 red pencils and 8 black pencils. What fraction of the pencils are red?

31. Paul caught 9 bass and 3 trout. What fraction of the fish were trout?