1. Write a chain of equivalent fractions for the shaded parts.

= _____ = _____ = _____ = _____
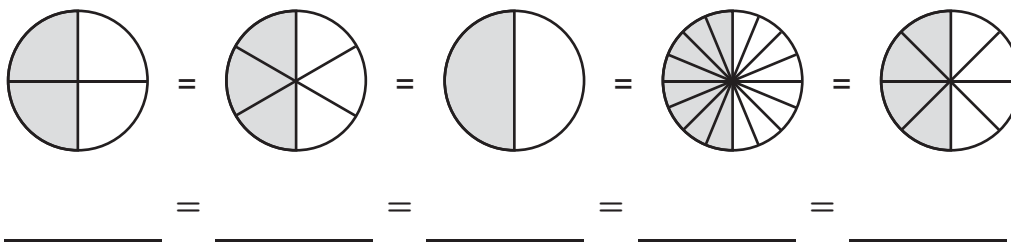
Write the multiplier or divisor for each pair of equivalent fractions.

2. $\frac{4}{12} = \frac{1}{3}$

Divisor = _____

3. $\frac{2}{9} = \frac{6}{27}$

Multiplier = _____

4. $\frac{6}{60} = \frac{1}{10}$

Divisor = _____

5. $\frac{3}{10} = \frac{15}{50}$

Multiplier = _____

6. $\frac{21}{56} = \frac{3}{8}$

Divisor = _____

7. $\frac{5}{7} = \frac{30}{42}$

Multiplier = _____

8. $\frac{4}{16} = \frac{1}{4}$

Divisor = _____

9. $\frac{5}{9} = \frac{25}{45}$

Multiplier = _____

10. $\frac{10}{60} = \frac{1}{6}$

Divisor = _____

11. $\frac{3}{7} = \frac{18}{42}$

Multiplier = _____

12. $\frac{24}{56} = \frac{3}{7}$

Divisor = _____

13. $\frac{5}{6} = \frac{35}{42}$

Multiplier = _____

Complete each exercise about the pairs of fraction bars.

14. What equivalent fractions are shown? _____

15. Identify the multiplier. _____

16. What equivalent fractions are shown? _____

17. Identify the divisor. _____

18. Write a chain with at least six equivalent fractions.

_____ = _____ = _____ = _____ = _____ = _____

Remembering

In Exercises 1–3, use this fraction bar.

1. Shade two of the equal parts. What fraction does the shaded portion model?

_____

2. Split each equal part (each unit fraction) into two equal parts. What fraction does the shaded portion model now?

_____

3. Fill in the boxes to show how you unsimplified the original fraction.

$$\frac{2 \times \boxed{}}{3 \times \boxed{}} = \frac{\boxed{}}{}$$

Solve.   *Show your work.*

4. A restaurant has 60 plates. One night, 9 groups of 6 people ate dinner at the restaurant at the same time. How many plates were not used by these diners?

_____

5. Clara has a garden that is 7 feet wide and 4 feet long. She has 30 tomato plants to put in the garden. Each plant needs 1 square foot of space. How many leftover plants will Clara have?

_____

6. Stretch Your Thinking Carol's bookshelf has 4 shelves with 6 books on each. Her brother Robert has 3 shelves with 7 books on each. They want to combine their books. If they put 9 books on a shelf, how many shelves will they need?

_____