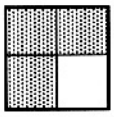
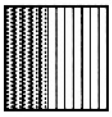
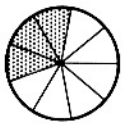
Name _____

Equivalent Fractions

Write a fraction that tells what part is shaded.

1. 

2. 

3. 

Complete the number sentence.

4. $\frac{1}{4} = \frac{\square}{20}$

5. $\frac{1}{6} = \frac{6}{\square}$

6. $\frac{3}{6} = \frac{15}{\square}$

7. $\frac{4}{9} = \frac{\square}{27}$

8. $\frac{10}{12} = \frac{\square}{6}$

9. $\frac{18}{42} = \frac{3}{\square}$

10. $\frac{20}{45} = \frac{\square}{9}$

11. $\frac{27}{45} = \frac{3}{\square}$

Write *yes* or *no* to tell whether the fractions are equivalent. If they are not, write an equivalent fraction for each fraction.

12. $\frac{3}{4}, \frac{15}{20}$

13. $\frac{7}{14}, \frac{20}{28}$

14. $\frac{2}{5}, \frac{4}{12}$

15. $\frac{4}{7}, \frac{20}{35}$

Mixed Applications

16. Cory answered 6 questions out of 8 correctly on his last quiz. How many questions must he answer correctly to get the same score on a quiz with 24 questions?

17. A pizza costs $6. Jan and 5 friends want to share the cost equally. How much should each person pay?

LOGICAL REASONING

18. Josh walks $\frac{5}{8}$ mile to the store. Dan walks $\frac{10}{16}$ mile to the same store. Do Josh and Dan live in the same house? Explain your answer.

Equivalent Fractions

Answer Key

1. $\frac{3}{4}$
2. $\frac{5}{12}$
3. $\frac{3}{9}$
4. 5
5. 36
6. 30
7. 12
8. 5
9. 7
10. 4
11. 5

12.–15. Equivalent fractions will vary.

12. yes
13. no; $\frac{1}{2}$, $\frac{5}{7}$
14. no; $\frac{4}{10}$, $\frac{1}{3}$
15. yes
16. 18 questions
17. $1
18. not necessarily; They could live in opposite directions from the store.