Name _____ Date _____ Class _____

LESSON 6

Fraction Operations

Practice A: Dividing Fractions and Mixed Numbers

Find the reciprocal.

1. $\frac{1}{2}$ _____

2. $\frac{2}{3}$ _____

3. $\frac{1}{5}$ _____

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

5. $\frac{3}{5}$ _____

6. $1\frac{1}{4}$ _____

7. $\frac{2}{5}$ _____

8. $\frac{3}{7}$ _____

9. $1\frac{1}{2}$ _____

Divide. Write each answer in simplest form.

10. $\frac{2}{3} \div 2$

$\frac{2}{3} \cdot$ _____

_____

11. $\frac{1}{2} \div \frac{3}{4}$

$\frac{1}{2} \cdot$ _____

_____

12. $\frac{5}{6} \div \frac{1}{4}$

$\frac{5}{6} \cdot$ _____

_____

13. $\frac{3}{5} \div \frac{1}{5}$

$\frac{3}{5} \cdot$ _____

_____

14. $\frac{7}{9} \div 3$

$\frac{7}{9} \cdot$ _____

_____

15. $1\frac{1}{2} \div \frac{1}{2}$

$1\frac{1}{2} \cdot$ _____

_____

16. Stella has 6 pounds of chocolate. She will use $\frac{2}{3}$ pound of the chocolate to make one cake. How many cakes can she make? _____

17. Todd has $\frac{8}{9}$ pound of clay. He will use $\frac{1}{3}$ pound to make each action figure. How many action figures can he make? _____

18. Dylan gives his two guinea pigs a total of $\frac{3}{4}$ cup of food every day. If each guinea pig gets the same amount of food, how much do they each get each day? _____

Challenge

1. $1\frac{1}{8}$ miles
2. $1\frac{1}{4}$ miles
3. $1\frac{3}{16}$ miles
4. $1\frac{1}{2}$ miles
5. $1\frac{1}{16}$ miles

Problem Solving

1. $4\frac{1}{6}$ cups
2. $3\frac{1}{2}$ cups
3. $4\frac{1}{16}$ teaspoons
4. D
5. G
6. A
7. F

Reading Strategies

1. $2\frac{1}{2}$
2. $\frac{5}{2}$
3. 5
4. Multiply 5 • 3.
5. Add 2 to 15.
6. $\frac{17}{5}$

Puzzles, Twisters & Teasers

GOOD JOB

Answers for Lesson 6

Practice A

1. 2
2. $\frac{3}{2}$
3. 5
4. 3
5. $\frac{5}{3}$
6. $\frac{4}{5}$
7. $\frac{5}{2}$
8. $\frac{7}{3}$
9. $\frac{2}{3}$
10. $\frac{1}{2}$; $\frac{1}{3}$
11. $\frac{4}{3}$; $\frac{2}{3}$
12. $\frac{4}{1}$; $3\frac{1}{3}$
13. $\frac{5}{1}$; 3
14. $\frac{1}{3}$; $\frac{7}{27}$
15. $\frac{2}{1}$; 3
16. 9 cakes
17. 2 action figures
18. $\frac{3}{8}$ cup of food

Practice B

1. $\frac{7}{5}$
2. $\frac{8}{9}$
3. $\frac{5}{3}$
4. 10
5. $\frac{9}{4}$
6. $\frac{14}{13}$
7. $\frac{3}{4}$
8. $\frac{5}{14}$
9. $\frac{6}{19}$
10. $\frac{1}{6}$
11. $1\frac{3}{4}$
12. $1\frac{5}{16}$
13. $1\frac{2}{11}$
14. $\frac{3}{10}$
15. $\frac{1}{12}$
16. $3\frac{1}{9}$
17. $\frac{25}{69}$
18. $\frac{17}{26}$
19. 14 knots
20. 50 hamburgers
21. 12 plants

Practice C

1. $\frac{2}{21}$
2. $\frac{7}{45}$
3. $\frac{9}{26}$
4. $\frac{4}{61}$
5. $\frac{3}{29}$
6. $\frac{8}{61}$
7. $\frac{24}{55}$
8. $1\frac{1}{27}$
9. $1\frac{3}{5}$
10. $1\frac{17}{19}$
11. $1\frac{16}{19}$
12. $\frac{22}{63}$
13. $4\frac{20}{39}$
14. $2\frac{16}{145}$
15. $3\frac{2}{11}$
16. $\frac{123}{130}$