Name _____ My Homewo

Lesson 6

Divide Whole Numbers by Fractions

Guided Practice

Find the reciprocal of each number. (Examples 1–3)

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

2. $\frac{1}{7}$ _____

3. 4 _____

Show your work.

Divide. Write in simplest form. (Examples 4 and 5)

4. $2 \div \frac{1}{3} =$ _____

5. $2 \div \frac{4}{5} =$ _____

6. $5 \div \frac{2}{7} =$ _____

7. A neighborhood development that is 4 acres is to be divided into $\frac{2}{3}$-acre lots. How many lots can be created?

(Example 6) _____

Independent Practice

Find the reciprocal of each number. (Examples 1–3)

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

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

3. 1 _____

Show your work.

Divide. Write in simplest form. (Examples 4 and 5)

4. $3 \div \frac{3}{4} =$ _____

5. $5 \div \frac{3}{4} =$ _____

6. $8 \div \frac{4}{7} =$ _____

7. $6 \div \frac{3}{5} =$ _____

8. $2 \div \frac{5}{8} =$ _____

9. $4 \div \frac{8}{9} =$ _____

10. Jamar has an 8-foot-long piece of wood that he wants to cut to build a step stool for his tree house. If each piece is going to be $\frac{5}{6}$ foot long, what is the greatest number of pieces he will be able to use? (Example 6)

11. The average adult horse needs $\frac{2}{5}$ bale of hay each day to meet dietary requirements. A horse farm has 44 bales of hay. How many horses can be fed in one day with 44 bales of hay? (Example 6)

13. Chelsea has four hours of free time on Saturday. She would like to spend no more than $\frac{2}{3}$ of an hour on each activity. How many activities can she do during that time? Justify your procedure.

Standardized Test Practice

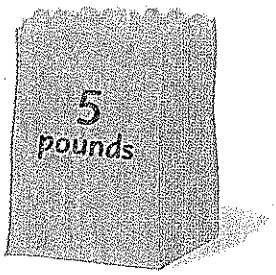
17. How many $\frac{3}{4}$-pound bags of peanuts can be made from the bag of peanuts shown?

Ⓐ $3\frac{3}{4}$

Ⓑ $4\frac{1}{4}$

Ⓒ $5\frac{3}{4}$

Ⓓ $6\frac{2}{3}$



24. $10 \div \frac{5}{6} =$ _____

25. $4 \div \frac{5}{9} =$ _____

26. $6 \div \frac{2}{3} =$ _____

27. Turner has 6 pounds of pasta. Each time he makes dinner he uses $\frac{3}{4}$ pound of pasta. How many dinners can he make?