

2-4**Practice: Word Problems****Dividing Rational Numbers**

HW

<p>1. CONTAINER GARDENING One bag of potting soil contains $8\frac{1}{4}$ quarts of soil. How many clay pots can be filled from one bag of potting soil if each pot holds $\frac{3}{4}$ quart?</p>	<p>2. MUSIC Doug has a shelf $9\frac{3}{4}$ inches long for storing CDs. Each CD is $\frac{3}{8}$ inch wide. How many CDs will fit on one shelf?</p>
<p>3. SERVING SIZE A box of cereal contains $15\frac{3}{5}$ ounces of cereal. If a bowl holds $2\frac{2}{5}$ ounces of cereal, how many bowls of cereal are in one box?</p>	<p>4. HOME IMPROVEMENT Lori is building a path in her backyard using square paving stones that are $1\frac{3}{4}$ feet on each side. How many paving stones placed end-to-end are needed to make a path that is 21 feet long?</p>
<p>5. GEOMETRY Given the length of a rectangle and its area, you can find the width by dividing the area by the length. A rectangle has an area of $6\frac{2}{3}$ square inches and a length of $2\frac{1}{2}$ inches. What is the width of the rectangle?</p>	<p>6. GEOMETRY Given the length of a rectangle and its area, you can find the width by dividing the area by the length. A rectangle has an area of $4\frac{5}{7}$ square feet and a length of $3\frac{2}{3}$ feet. What is the width of the rectangle?</p>
<p>7. HOBBIES Dena has a picture frame that is $13\frac{1}{2}$ inches wide. How many pictures that are $3\frac{3}{8}$ inches wide can be placed beside each other within the frame?</p>	<p>8. YARD WORK Leon is mowing his yard, which is $21\frac{2}{3}$ feet wide. His lawn mower makes a cut that is $1\frac{2}{3}$ feet wide on each pass. How many passes will Leon need to finish the lawn?</p>

Riddle

Name _____

What do you call a horse that stays up very late?

To solve the riddle, complete each division problem below. Then write the corresponding letter on the line in front of each problem. The letters will spell out the solution when read from top to bottom.

 A $\frac{3}{4} \div \frac{1}{2} =$ $1\frac{1}{2}$

 $\frac{1}{2} \div \frac{2}{3} =$

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

 $\frac{2}{3} \div \frac{5}{6} =$

 $\frac{4}{7} \div \frac{1}{2} =$

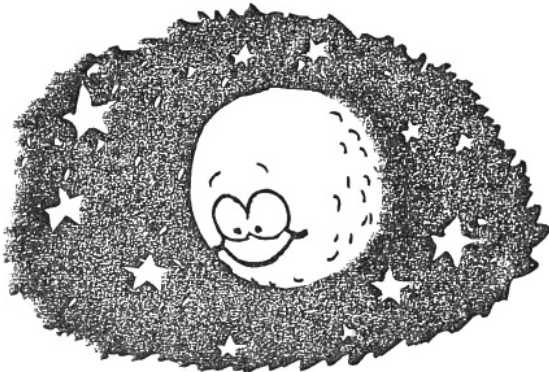
 $\frac{4}{5} \div \frac{2}{3} =$

 $\frac{5}{9} \div \frac{1}{4} =$

 $\frac{1}{2} \div \frac{1}{3} =$

 $\frac{4}{5} \div \frac{1}{6} =$

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



$1\frac{1}{2}$	A
2	E
$\frac{4}{5}$	G
$1\frac{1}{7}$	H
$1\frac{1}{3}$	I
$2\frac{2}{9}$	M
$\frac{3}{4}$	N
$4\frac{4}{5}$	R
$1\frac{1}{5}$	T



Demonstrate division of fractions including mixed numbers