



NAME _____

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Multi-Step Problems

Solve the problems below. Show your work. Be sure to write your answers clearly.

- 1 A lawn service mows 18 lawns a day. They are paid \$28 for each lawn they mow. How much does the lawn service earn in a 5-day week?
- 2 Georgia has a bag of 144 beads and two bags with 180 beads in each bag. She uses 28 beads to make a necklace. How many necklaces can she make with the beads she has?
- 3 Walter had new carpeting installed in his 13-foot by 18-foot family room. He paid \$7 per square foot for the carpet and \$2 per square foot for the pad under the carpet. What was the total cost for the carpet and pad?
- 4 A factory made 9,900 bars of soap. They wrapped 6 bars in a package. Then they put 48 packages in a box. How many boxes were completely filled?



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Multiplying Two Mixed Numbers

Solve each problem. Show how you solved the problem.

1 $2\frac{3}{5} \times 4\frac{1}{3} =$ _____

- 2 Yumiko biked on a $3\frac{3}{4}$ -mile trail. She biked the trail $3\frac{3}{4}$ times. How many miles did she bike?

3 $1\frac{5}{6} \times 4\frac{2}{3} =$ _____



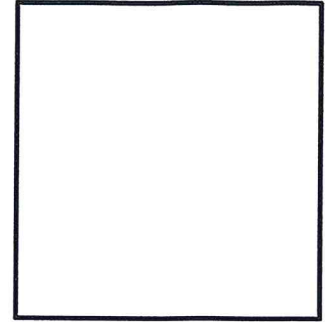
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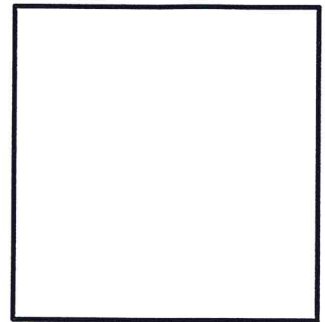
Multiplying Fractions with Arrays

Solve the problems. For each problem, use the square to make an array for the problem.

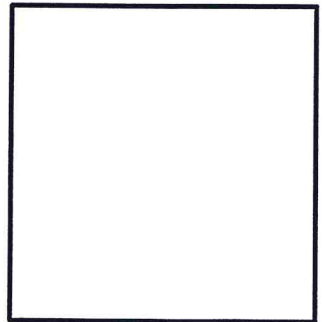
- 1 Shandra owns $\frac{5}{6}$ of a section of land. She plants watermelons on $\frac{3}{4}$ of her land. What fraction of the entire section is planted with Shandra's watermelons?



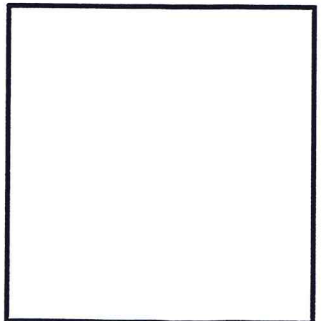
2 $\frac{2}{3} \times \frac{5}{8} =$ _____



- 3 Tyler owns $\frac{4}{5}$ of a section of land. He plants lettuce on $\frac{1}{4}$ of his land. What fraction of the entire section is planted with Tyler's lettuce?



4 $\frac{3}{7} \times \frac{1}{3} =$ _____





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Whole Number and Fraction Problems

Use fraction bars to solve each problem. Use the whole number problems to help you solve the problems with fractions.

- 1 Lourdes likes to run a route that is 6 miles long.
 - a. She ran the route 5 times this week. How far did she run this week?
 - b. On Monday she only ran $\frac{2}{3}$ of the route. How far did she run?

- 2 The Seaside Bike Race is 70 miles long.
 - a. 4 friends each biked the race. How many miles did they bike in total?
 - b. Avery biked $\frac{3}{10}$ of the race. How far did he bike?



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Multiplying Decimals Resulting in Thousandths

Solve each problem, and show your work.

- 1 If a great white shark swims 24.9 miles per hour for 3.25 hours, how far does it swim?
- 2 If a bluefin tuna swims 43.5 miles per hour for 4.75 hours, how far does it swim?
- 3 If a humpback whale swims 16.8 miles per hour for 2.75 hours, how far does it swim?
- 4 If a tiger shark swims 19.9 miles per hour for 6.25 hours, how far does it swim?
- 5 If a striped marlin swims 50.3 miles per hour for 5.75 hours, how far does it swim?



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Converting Measurements of Length and Weight

Convert each measurement. Show your work.

Measurement Equivalents—U.S. Standard Units	
Length	Weight
1 foot (ft) = 12 inches (in.) 1 yard (yd) = 3 feet (ft) 1 mile (mi) = 5,280 feet (ft)	1 pound (lb) = 16 ounces (oz) 1 ton (T) = 2,000 pounds (lb)

1 _____ in. = $10\frac{1}{2}$ ft

2 49 ft = _____ yd

3 $5\frac{1}{3}$ yd = _____ ft

4 330 in. = _____ ft

5 $3\frac{1}{2}$ mi = _____ ft

6 12 lb 10 oz = _____ oz

7 _____ lb = $15\frac{1}{2}$ T

8 21,000 lb = _____ T

9 _____ lb = 136 oz

10 $15\frac{1}{2}$ lb = _____ oz



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Practicing Multiplication

Solve the problems. Show your work clearly.

1 $32 \times 46 =$ _____

2 $24 \times 40 =$ _____

3 $112 \times 37 =$ _____

4 $19 \times 84 =$ _____

5 $106 \times 31 =$ _____

6 $227 \times 53 =$ _____