Name: _____          Date: _____

# Dividing with Decimals

1.  Write a division *and* a multiplication sentence for each problem, and solve.

| | |
|---|---|
| **a.**  Mom cuts 0.4 meter pieces from a 1.2-meter piece of material. How many pieces does she get? | **b.**  The asphalt team does a 1.5-mile stretch each day. How many days does it take for them to cover a distance of 7.5 miles? |
| **c.** The clerk cuts a 4.5 yard piece of material into five pieces. How long is each piece? | **d.**  How many 0.04-meter sticks you can cut from a 0.20-meter board? |

2. Cutting material. How many

    **a.**  0.3 m pieces do you get from 1.5 meters?

    **b.** 0.7 m pieces do you get from 4.2 meters?

    **c.** 0.05 m pieces you get from 0.25 meters?

3.  How much does one cost, if

**a.** five apples cost $2.50      **b.** seven yards cost $4.90      **c.** eight erasers cost $0.72

4.  Divide mentally. Check with multiplication.

| | | |
|---|---|---|
| **a.** $0.8 \div 0.2 =$ ____ <br> $1.8 \div 0.3 =$ ____ <br> $10 \div 2.5 =$ ____ <br> $0.28 \div 0.04 =$ ____ | **b.** $0.25 \div 0.05 =$ ____ <br> $0.32 \div 0.08 =$ ____ <br> $3.2 \div 0.8 =$ ____ <br> $2 \div 0.5 =$ ____ | **c.** $0.44 \div 0.11 =$ ____ <br> $4.4 \div 0.4 =$ ____ <br> $0.63 \div 0.09 =$ ____ <br> $4 \div 0.2 =$ ____ |

5.  Write a number sentence and solve.

| | |
|---|---|
| **a.**  How much is left from 5 meters after you take off four 0.6 meter pieces? | **b.**  How many books that are 1.5 cm thick can you stack into a box that is 15 cm high, if there is already one 3-cm thick book in the box? |

6.  Solve.

**a.**  $3 \times 0.4 + 1.5$      **b.**  $4 - 3 \times 0.6$      **c.**  $0.2 + 0.24 + 0.5$

**d.**  $3 \div 0.2 - 0.7$      **e.**  $0.5 - 3 \times 0.02$      **f.**  $0.4 - 0.1 - 0.01$