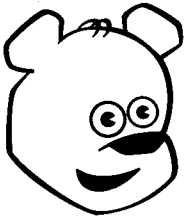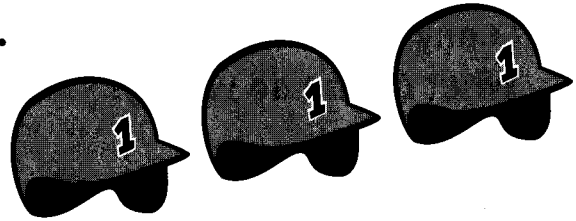Name: _____

A school bought 3 new baseball helmets. The total bill was $138. How much did each helmet cost?

Try breaking 138 into two smaller parts that are easier to divide by 3.

1. a. Complete this sentence to show your thinking.

> 138 ÷ 3 **is the same as** _____ ÷ 3 plus _____ ÷ 3

b. Write the answer. _____

2. Suppose the total bill was only $117.
Figure out the cost of each helmet by breaking 117 into smaller parts.

a. Complete this sentence.

> 117 ÷ 3 **is the same as** _____ ÷ 3 plus _____ ÷ 3

b. Write the answer. _____

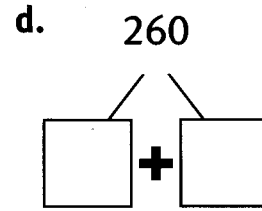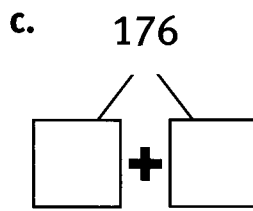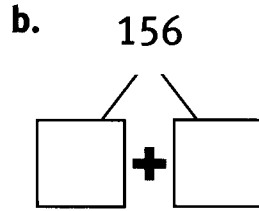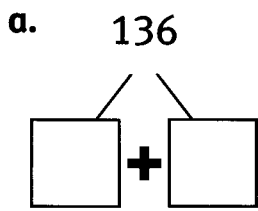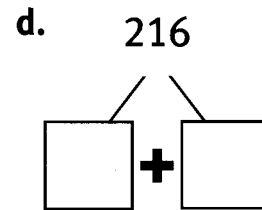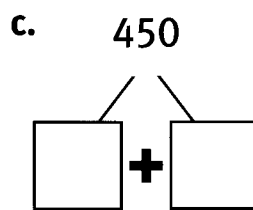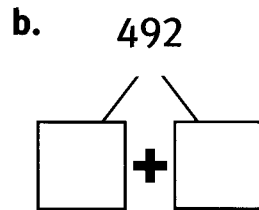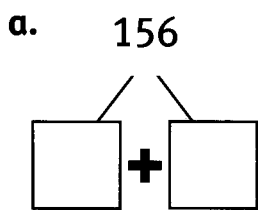**What are some other ways you could calculate 138 ÷ 3 and 117 ÷ 3 in your head?**

Break up the Dividend

1. Suppose you had to divide each of these by 4.
Break each number into two parts that are easier to divide by 4.

a. 136   b. 156   c. 176   d. 260

☐ + ☐   ☐ + ☐   ☐ + ☐   ☐ + ☐

2. Break each of these into parts that you can easily divide by 6.

a. 156   b. 492   c. 450   d. 216

☐ + ☐   ☐ + ☐   ☐ + ☐   ☐ + ☐

3. Figure out the answers to these by breaking the numbers into two smaller parts. Write the answers.

a.
$228 \div 3$ **is the same as** _____ $\div 3$ plus _____ $\div 3 =$ _____

b.
$344 \div 8$ **is the same as** _____ $\div 8$ plus _____ $\div 8 =$ _____

c.
$297 \div 9$ **is the same as** _____ $\div 9$ plus _____ $\div 9 =$ _____

d.
$161 \div 7$ **is the same as** _____ $\div 7$ plus _____ $\div 7 =$ _____

4. Use the same strategy to help you figure out each of these.
Write the answer.

a. $198 \div 9 =$ _____   b. $224 \div 7 =$ _____   c. $112 \div 8 =$ _____

d. $115 \div 5 =$ _____   e. $129 \div 3 =$ _____   f. $272 \div 8 =$ _____