

# Estimate Quotients

**Estimate  $82 \div 3$ .**

Look at the first digit in the number **82**.

Think of a basic fact with 3 and a number that is close to the first digit of the dividend.

$3 \times 1 = 3$

$3 \times 2 = 6$

$3 \times 3 = 9$

$3 \times 4 = 12$

$3 \times 5 = 15$

Choose  $3 \times 3 = 9$ , because 9 is close to 8.

To find the second digit in the number multiply 9 by 10.  $9 \times 10 = 90$

Divide  $90 \div 3 = 30$

So,  $82 \div 3$  is about 30.

**Estimate. Write the basic fact you used.**

1.  $2 \overline{)105}$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

2.  $5 \overline{)361}$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

3.  $5 \overline{)421}$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

4.  $334 \div 8$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

5.  $626 \div 9$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

6.  $373 \div 6$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

7.  $131 \div 3$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_

8.  $173 \div 4$

Basic Fact: \_\_\_\_\_

Estimate: \_\_\_\_\_