5.NBT.6

# MY Homework

Lesson 1

**Estimate Quotients** 

Homework Helper



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Estimate  $304 \div 18$ .



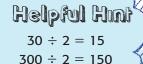
Round the divisor to the nearest ten.

Change the dividend to a number that is compatible with the rounded divisor, 20.

Divide mentally.

$$300 \div 20 = 15$$

So,  $304 \div 18$  is about 15.



**Check** Use multiplication to check your answer.  $15 \times 20 = 300 \text{ and } 300 \approx 304 \text{ R}$ 

 $300 \div 20 = 15$ 

### **Practice**

**Estimate. Show how you estimated.** 

## **Problem Solving**

- **5.** The Booster Club is having a bake sale. The members place 25 baked goods in each bag. There are 630 baked goods donated. About how many bags will the club have for sale?
- 6. A farmer has 212 acres of land for sale. He divides the land into 18 equal sections. About how many acres are in each section?

- **7.** Alexander has 418 songs on his MP3 player. He divides the songs into 11 equal groups. About how many songs are in each group?
- Mathematical <sub>n</sub> Check for Reasonableness A restaurant ordered 833 ounces of chicken. There are 16 ounces in a pound. About how many pounds of chicken did the restaurant order?

### **Test Practice**

- **9.** Ms. Robbins has 600 sheets of paper for a project. She has 48 students. Which is the best estimate for the number of sheets of paper she can give to each student?
  - (A) 10 sheets
  - (B) 12 sheets
  - © 15 sheets
  - ② 20 sheets