

MY Homework

Lesson 1

Estimate Quotients

Homework Helper

Need help? connectED.mcgraw-hill.com**Estimate $304 \div 18$.**

1 Round the divisor to the nearest ten.

$$18 \rightarrow 20$$

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

$$304 \rightarrow 300$$

3 Divide mentally.

$$300 \div 20 = 15$$

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

Check Use multiplication to check your answer.
 $15 \times 20 = 300$ and $300 \approx 304$

Helpful Hint

$$30 \div 2 = 15$$

$$300 \div 2 = 150$$

$$300 \div 20 = 15$$

Practice

Estimate. Show how you estimated.

1. $512 \div 52$

2. $412 \div 97$

3. $83 \overline{)237}$

4. $31 \overline{)458}$




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?
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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?
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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?
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8. **Mathematical PRACTICE**  **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?
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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
(C) 15 sheets
(D) 20 sheets