Grade 4

Topic: Estimating Quotients

> **Instructions**
>
> **Round the numbers to make division easier. Estimate the quotient using compatible numbers. Show your work for each question.**

Section 1: Estimation Using Rounding

Round the numbers and estimate the quotient.

1. $684 \div 32 = $ _____

2. $1,245 \div 47 = $ _____

3. $528 \div 24 = $ _____

4. $3,672 \div 92 = $ _____

5. $5,815 \div 78 = $ _____

Section 2: Multiple Choice Questions

Choose the best estimate for each quotient.

1. $764 \div 38$

   - (A) 10
   - (B) 20
   - (C) 30
   - (D) 40

2. $2,150 \div 43$

   - (A) 40
   - (B) 50
   - (C) 60
   - (D) 70

Section 3: Word Problems

Estimate the answer to each problem.

1. A company produced 5,640 bottles in 48 days. About how many bottles were made per day?

2. A farmer harvested 2,940 apples and packed them into 42 baskets. About how many apples are in each basket?

Section 4: Fill in the Blanks

1. Rounding 986 to the nearest hundred gives _____.

2. The estimated quotient of $1,234 \div 52$ is _____.

3. When estimating $897 \div 43$, we round 897 to _____.

Section 5: Challenge Problems

1. Estimate $7,452 \div 84$ using two different rounding methods. Show your work.

2. A school cafeteria serves 3,920 meals in 28 days. Estimate how many meals are served per day.

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