



Long Division with Multi-Digit Divisors

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

To estimate $956 \div 32$, I round 956 to 900 and 32 to 32, getting about 28 as the estimate.

Rewrite: _____

2. Fix the sentence:

When estimating $612 \div 19$, I should round 19 up to 100 because bigger numbers give better estimates.

Rewrite: _____

3. Fix the sentence: An estimate of 5 for $4128 \div 41$ is reasonable because the digits look small.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- To estimate $956 \div 32$, you can round to $1000 \div 30$, giving an estimate of about _____.
- Rounding $612 \div 19$ to compatible numbers gives $600 \div 20$, which equals about _____.
- When $956 \div 32$ is exactly 29 R 28, the estimate of 33 is close, showing that estimates are _____ values.
- If you round both numbers down, your estimate of the quotient may be too _____ compared to the real answer.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Estimate $4128 \div 41$ by rounding to compatible numbers and explain in Grade 5 language.

2. Why is estimating $7235 \div 68$ useful before doing the long division in Grade 5?

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence:

To estimate $956 \div 32$, I round 956 to 900 and 32 to 32, getting about 28 as the estimate.

Rewrite: To estimate $956 \div 32$, I round 956 to 1000 and 32 to 30, getting about 33 as the estimate.

2. Fix the sentence:

When estimating $612 \div 19$, I should round 19 up to 100 because bigger numbers give better estimates.

Rewrite: When estimating $612 \div 19$, I should round 19 to 20 because that keeps the divisor close to its real value.

3. Fix the sentence: An estimate of 5 for $4128 \div 41$ is reasonable because the digits look small.

Rewrite: An estimate of 100 for $4128 \div 41$ is reasonable because $4000 \div 40$ equals 100.

Part B: Fill in the Blank

Write the missing word or number on each line.

- To estimate $956 \div 32$, you can round to $1000 \div 30$, giving an estimate of about 33.
- Rounding $612 \div 19$ to compatible numbers gives $600 \div 20$, which equals about 30.
- When $956 \div 32$ is exactly 29 R 28, the estimate of 33 is close, showing that estimates are approximate values.
- If you round both numbers down, your estimate of the quotient may be too high compared to the real answer.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Estimate $4128 \div 41$ by rounding to compatible numbers and explain in Grade 5 language.

I rounded 4128 to 4000 and 41 to 40. Then $4000 \div 40 = 100$, so the quotient is about 100. The exact answer is close to 100 (it is 100 R 28), so my estimate is reasonable.
