



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 divide 480 by 16 using partial quotients, I subtract 16 once and write 16 as my first partial quotient.

Rewrite: _____

2. Fix the sentence:

When I add my partial quotient of 30 and 5, I should multiply them together to get the final quotient.

Rewrite: _____

3. Fix the sentence:

If 17 goes into 850 about 50 times, my first partial quotient should be 17 because that is the divisor.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

- In partial quotients for $624 \div 24$, removing 20 groups of 24 leaves 144, so 20 is the first _____ quotient.
- After taking 20 groups and then 6 groups of 24 from 624, the total quotient is the _____ of 20 and 6, which is 26.
- Choosing 10, 20, or 50 as a first partial quotient is called using a _____ multiplier in Grade 5 division.
- When the remaining number is less than the divisor, the partial-quotients work is finished and you write the _____.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Use partial quotients to divide $432 \div 18$ and explain each step in Grade 5 language.

Part A: Fix the Sentence

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

1. Fix the sentence:

To divide 480 by 16 using partial quotients, I subtract 16 once and write 16 as my first partial quotient.

Rewrite: To divide 480 by 16 using partial quotients, I subtract a multiple of 16 (like 160) and write the multiplier (10) as my first partial quotient.

2. Fix the sentence:

When I add my partial quotient of 30 and 5, I should multiply them together to get the final quotient.

Rewrite: When I have partial quotients of 30 and 5, I should add them together to get the final quotient of 35.

3. Fix the sentence:

If 17 goes into 850 about 50 times, my first partial quotient should be 17 because that is the divisor.

Rewrite: If 17 goes into 850 about 50 times, my first partial quotient should be 50 because that is how many groups of 17 I am removing.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. In partial quotients for $624 \div 24$, removing 20 groups of 24 leaves 144, so 20 is the first partial quotient.
2. After taking 20 groups and then 6 groups of 24 from 624, the total quotient is the sum of 20 and 6, which is 26.
3. Choosing 10, 20, or 50 as a first partial quotient is called using a friendly multiplier in Grade 5 division.
4. When the remaining number is less than the divisor, the partial-quotients work is finished and you write the remainder.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Use partial quotients to divide $432 \div 18$ and explain each step in Grade 5 language.