Long Division Error Detective

Grade 4 Math Worksheet - Building Confidence

Name _____ Date _____

Circle the step with the mistake.

1. Lena divided 181 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 18 ÷ 4 = 4, 4 × 4 = 15, 18 − 15 = 3
   Step 2: bring down 1, 31 ÷ 4 = 7, 7 × 4 = 28, 31 − 28 = 3

2. Maya divided 741 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 7 ÷ 5 = 1, 1 × 5 = 5, 7 − 5 = 2
   Step 2: bring down 4, 24 ÷ 5 = 4, 4 × 5 = 20, 24 − 20 = 2
   Step 3: bring down 1, 21 ÷ 5 = 4, 4 × 5 = 20, 21 − 20 = 1

3. Nora divided 561 ÷ 3 and made one mistake. Which step has the mistake?
   Step 1: 5 ÷ 3 = 1, 1 × 3 = 3, 5 − 3 = 2
   Step 2: bring down 6, 26 ÷ 3 = 8, 8 × 3 = 25, 26 − 25 = 1
   Step 3: bring down 1, 11 ÷ 3 = 3, 3 × 3 = 9, 11 − 9 = 2

4. Lena divided 865 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 8 ÷ 5 = 1, 1 × 5 = 5, 8 − 5 = 4
   Step 2: bring down 6, 46 ÷ 5 = 9, 9 × 5 = 45, 46 − 45 = 1
   Step 3: bring down 5, 15 ÷ 5 = 3, 3 × 5 = 15, 15 − 15 = 0

5. Lena divided 991 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 4 = 2, 2 × 4 = 9, 9 − 9 = 0
   Step 2: bring down 9, 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 1
   Step 3: bring down 1, 11 ÷ 4 = 2, 2 × 4 = 8, 11 − 8 = 3

6. Ben divided 934 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 2
   Step 2: bring down 3, 23 ÷ 4 = 5, 5 × 4 = 20, 23 − 20 = 3
   Step 3: bring down 4, 34 ÷ 4 = 8, 8 × 4 = 32, 34 − 32 = 2

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Answer Key - Grade 4 Math Worksheet - Building Confidence

Circle the step with the mistake.

1. Lena divided 181 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 18 ÷ 4 = 4, 4 × 4 = 15, 18 − 15 = 3

   Step 2: bring down 1, 31 ÷ 4 = 7, 7 × 4 = 28, 31 − 28 = 3

2. Maya divided 741 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 7 ÷ 5 = 1, 1 × 5 = 5, 7 − 5 = 2

   Step 2: bring down 4, 24 ÷ 5 = 4, 4 × 5 = 20, 24 − 20 = 2

   Step 3: bring down 1, 21 ÷ 5 = 4, 4 × 5 = 20, 21 − 20 = 1

3. Nora divided 561 ÷ 3 and made one mistake. Which step has the mistake?

   Step 1: 5 ÷ 3 = 1, 1 × 3 = 3, 5 − 3 = 2

   Step 2: bring down 6, 26 ÷ 3 = 8, 8 × 3 = 25, 26 − 25 = 1

   Step 3: bring down 1, 11 ÷ 3 = 3, 3 × 3 = 9, 11 − 9 = 2

4. Lena divided 865 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 8 ÷ 5 = 1, 1 × 5 = 5, 8 − 5 = 4

   Step 2: bring down 6, 46 ÷ 5 = 9, 9 × 5 = 45, 46 − 45 = 1

   Step 3: bring down 5, 15 ÷ 5 = 3, 3 × 5 = 15, 15 − 15 = 0

5. Lena divided 991 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 4 = 2, 2 × 4 = 9, 9 − 9 = 0

   Step 2: bring down 9, 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 1

   Step 3: bring down 1, 11 ÷ 4 = 2, 2 × 4 = 8, 11 − 8 = 3

6. Ben divided 934 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 2

   Step 2: bring down 3, 23 ÷ 4 = 5, 5 × 4 = 20, 23 − 20 = 3

   Step 3: bring down 4, 34 ÷ 4 = 8, 8 × 4 = 32, 34 − 32 = 2