Long Division Error Detective

Grade 4 Math Worksheet

Name _____ Date _____

Circle the step with the mistake.

1. Lena divided 879 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 8 ÷ 8 = 1, 1 × 8 = 7, 8 − 7 = 1
   Step 2: bring down 7, 17 ÷ 8 = 2, 2 × 8 = 16, 17 − 16 = 1
   Step 3: bring down 9, 19 ÷ 8 = 2, 2 × 8 = 16, 19 − 16 = 3

2. Omar divided 1,595 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 15 ÷ 9 = 1, 1 × 9 = 9, 15 − 9 = 8
   Step 2: bring down 9, 89 ÷ 9 = 9, 9 × 9 = 81, 89 − 81 = 8
   Step 3: bring down 5, 85 ÷ 9 = 9, 9 × 9 = 81, 85 − 81 = 4

3. Jules divided 628 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 62 ÷ 7 = 8, 8 × 7 = 56, 62 − 56 = 6
   Step 2: bring down 7, 67 ÷ 7 = 9, 9 × 7 = 63, 67 − 63 = 4

4. Ben divided 3,552 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 35 ÷ 8 = 4, 4 × 8 = 31, 35 − 31 = 4
   Step 2: bring down 5, 45 ÷ 8 = 5, 5 × 8 = 40, 45 − 40 = 5
   Step 3: bring down 2, 52 ÷ 8 = 6, 6 × 8 = 48, 52 − 48 = 4

5. Ben divided 626 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 62 ÷ 9 = 6, 6 × 9 = 54, 62 − 54 = 5
   Step 2: bring down 6, 56 ÷ 9 = 6, 6 × 9 = 54, 56 − 54 = 2

6. Ben divided 9,511 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 4
   Step 2: bring down 6, 46 ÷ 5 = 9, 9 × 5 = 45, 46 − 45 = 1
   Step 3: bring down 1, 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1
   Step 4: bring down 1, 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1

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Answer Key - Grade 4 Math Worksheet

Circle the step with the mistake.

1. Lena divided 879 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 8 ÷ 8 = 1, 1 × 8 = 7, 8 − 7 = 1

   Step 2: bring down 7, 17 ÷ 8 = 2, 2 × 8 = 16, 17 − 16 = 1

   Step 3: bring down 9, 19 ÷ 8 = 2, 2 × 8 = 16, 19 − 16 = 3

2. Omar divided 1,595 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 15 ÷ 9 = 1, 1 × 9 = 9, 15 − 9 = 8

   Step 2: bring down 9, 89 ÷ 9 = 9, 9 × 9 = 81, 89 − 81 = 8

   Step 3: bring down 5, 85 ÷ 9 = 9, 9 × 9 = 81, 85 − 81 = 4

3. Jules divided 628 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 62 ÷ 7 = 8, 8 × 7 = 56, 62 − 56 = 6

   Step 2: bring down 7, 67 ÷ 7 = 9, 9 × 7 = 63, 67 − 63 = 4

4. Ben divided 3,552 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 35 ÷ 8 = 4, 4 × 8 = 31, 35 − 31 = 4

   Step 2: bring down 5, 45 ÷ 8 = 5, 5 × 8 = 40, 45 − 40 = 5

   Step 3: bring down 2, 52 ÷ 8 = 6, 6 × 8 = 48, 52 − 48 = 4

5. Ben divided 626 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 62 ÷ 9 = 6, 6 × 9 = 54, 62 − 54 = 5

   Step 2: bring down 6, 56 ÷ 9 = 6, 6 × 9 = 54, 56 − 54 = 2

6. Ben divided 9,511 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 4

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

   Step 3: bring down 1, 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1

   Step 4: bring down 1, 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1