Long Division Error Detective

Grade 4 Math Worksheet

Name _____ Date _____

Circle the step with the mistake.

1. Priya divided 337 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 33 ÷ 8 = 4, 4 × 8 = 32, 33 − 32 = 1
   Step 2: bring down 7, 17 ÷ 8 = 2, 2 × 8 = 13, 17 − 13 = 4

2. Nora divided 2,424 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 24 ÷ 7 = 3, 3 × 7 = 21, 24 − 21 = 3
   Step 2: bring down 2, 32 ÷ 7 = 4, 4 × 7 = 28, 32 − 28 = 2
   Step 3: bring down 4, 24 ÷ 7 = 3, 3 × 7 = 21, 24 − 21 = 3

3. Omar divided 494 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 49 ÷ 9 = 5, 5 × 9 = 45, 49 − 45 = 4
   Step 2: bring down 1, 41 ÷ 9 = 4, 4 × 9 = 36, 41 − 36 = 5

4. Priya divided 4,254 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 42 ÷ 5 = 8, 8 × 5 = 40, 42 − 40 = 2
   Step 2: bring down 5, 25 ÷ 5 = 5, 5 × 5 = 24, 25 − 24 = 1
   Step 3: bring down 4, 14 ÷ 5 = 2, 2 × 5 = 10, 14 − 10 = 4

5. Leo divided 613 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 6 ÷ 6 = 1, 1 × 6 = 6, 6 − 6 = 1
   Step 2: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5
   Step 3: bring down 3, 53 ÷ 6 = 8, 8 × 6 = 48, 53 − 48 = 5

6. Ana divided 6,762 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 67 ÷ 9 = 7, 7 × 9 = 63, 67 − 63 = 4
   Step 2: bring down 4, 44 ÷ 9 = 4, 4 × 9 = 36, 44 − 36 = 8
   Step 3: bring down 2, 82 ÷ 9 = 9, 9 × 9 = 81, 82 − 81 = 1

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Answer Key - Grade 4 Math Worksheet

Circle the step with the mistake.

1. Priya divided 337 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 33 ÷ 8 = 4, 4 × 8 = 32, 33 − 32 = 1

   Step 2: bring down 7, 17 ÷ 8 = 2, 2 × 8 = 13, 17 − 13 = 4

2. Nora divided 2,424 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 24 ÷ 7 = 3, 3 × 7 = 21, 24 − 21 = 3

   Step 2: bring down 2, 32 ÷ 7 = 4, 4 × 7 = 28, 32 − 28 = 2

   Step 3: bring down 4, 24 ÷ 7 = 3, 3 × 7 = 21, 24 − 21 = 3

3. Omar divided 494 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 49 ÷ 9 = 5, 5 × 9 = 45, 49 − 45 = 4

   Step 2: bring down 1, 41 ÷ 9 = 4, 4 × 9 = 36, 41 − 36 = 5

4. Priya divided 4,254 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 42 ÷ 5 = 8, 8 × 5 = 40, 42 − 40 = 2

   Step 2: bring down 5, 25 ÷ 5 = 5, 5 × 5 = 24, 25 − 24 = 1

   Step 3: bring down 4, 14 ÷ 5 = 2, 2 × 5 = 10, 14 − 10 = 4

5. Leo divided 613 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 6 ÷ 6 = 1, 1 × 6 = 6, 6 − 6 = 1

   Step 2: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5

   Step 3: bring down 3, 53 ÷ 6 = 8, 8 × 6 = 48, 53 − 48 = 5

6. Ana divided 6,762 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 67 ÷ 9 = 7, 7 × 9 = 63, 67 − 63 = 4

   Step 2: bring down 4, 44 ÷ 9 = 4, 4 × 9 = 36, 44 − 36 = 8

   Step 3: bring down 2, 82 ÷ 9 = 9, 9 × 9 = 81, 82 − 81 = 1