Long Division Error Detective

Grade 4 Math Worksheet

Name _____ Date _____

Circle the step with the mistake.

1. Ben divided 895 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 8 ÷ 6 = 1, 1 × 6 = 4, 8 − 4 = 4
   Step 2: bring down 9, 49 ÷ 6 = 8, 8 × 6 = 48, 49 − 48 = 1
   Step 3: bring down 5, 15 ÷ 6 = 2, 2 × 6 = 12, 15 − 12 = 3

2. Priya divided 8,974 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 8 ÷ 5 = 1, 1 × 5 = 5, 8 − 5 = 3
   Step 2: bring down 9, 39 ÷ 5 = 7, 7 × 5 = 35, 39 − 35 = 4
   Step 3: bring down 7, 47 ÷ 5 = 9, 9 × 5 = 45, 47 − 45 = 2
   Step 4: bring down 4, 24 ÷ 5 = 4, 4 × 5 = 20, 24 − 20 = 1

3. Nora divided 657 ÷ 3 and made one mistake. Which step has the mistake?
   Step 1: 6 ÷ 3 = 2, 2 × 3 = 6, 6 − 6 = 0
   Step 2: bring down 5, 5 ÷ 3 = 1, 1 × 3 = 3, 5 − 3 = 2
   Step 3: bring down 2, 22 ÷ 3 = 7, 7 × 3 = 21, 22 − 21 = 1

4. Leo divided 6,062 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 60 ÷ 7 = 8, 8 × 7 = 56, 60 − 56 = 4
   Step 2: bring down 6, 46 ÷ 7 = 6, 6 × 7 = 42, 46 − 42 = 4
   Step 3: bring down 2, 42 ÷ 7 = 6, 6 × 7 = 41, 42 − 41 = 1

5. Leo divided 547 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 54 ÷ 8 = 6, 6 × 8 = 48, 54 − 48 = 6
   Step 2: bring down 7, 67 ÷ 8 = 8, 8 × 8 = 64, 67 − 64 = 4

6. Nora divided 1,707 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 17 ÷ 4 = 4, 4 × 4 = 16, 17 − 16 = 1
   Step 2: bring down 0, 10 ÷ 4 = 2, 2 × 4 = 8, 10 − 8 = 2
   Step 3: bring down 8, 28 ÷ 4 = 7, 7 × 4 = 28, 28 − 28 = 0

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Answer Key - Grade 4 Math Worksheet

Circle the step with the mistake.

1. Ben divided 895 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 8 ÷ 6 = 1, 1 × 6 = 4, 8 − 4 = 4

   Step 2: bring down 9, 49 ÷ 6 = 8, 8 × 6 = 48, 49 − 48 = 1

   Step 3: bring down 5, 15 ÷ 6 = 2, 2 × 6 = 12, 15 − 12 = 3

2. Priya divided 8,974 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 8 ÷ 5 = 1, 1 × 5 = 5, 8 − 5 = 3

   Step 2: bring down 9, 39 ÷ 5 = 7, 7 × 5 = 35, 39 − 35 = 4

   Step 3: bring down 7, 47 ÷ 5 = 9, 9 × 5 = 45, 47 − 45 = 2

   Step 4: bring down 4, 24 ÷ 5 = 4, 4 × 5 = 20, 24 − 20 = 1

3. Nora divided 657 ÷ 3 and made one mistake. Which step has the mistake?

   Step 1: 6 ÷ 3 = 2, 2 × 3 = 6, 6 − 6 = 0

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

   Step 3: bring down 2, 22 ÷ 3 = 7, 7 × 3 = 21, 22 − 21 = 1

4. Leo divided 6,062 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 60 ÷ 7 = 8, 8 × 7 = 56, 60 − 56 = 4

   Step 2: bring down 6, 46 ÷ 7 = 6, 6 × 7 = 42, 46 − 42 = 4

   Step 3: bring down 2, 42 ÷ 7 = 6, 6 × 7 = 41, 42 − 41 = 1

5. Leo divided 547 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 54 ÷ 8 = 6, 6 × 8 = 48, 54 − 48 = 6

   Step 2: bring down 7, 67 ÷ 8 = 8, 8 × 8 = 64, 67 − 64 = 4

6. Nora divided 1,707 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 17 ÷ 4 = 4, 4 × 4 = 16, 17 − 16 = 1

   Step 2: bring down 0, 10 ÷ 4 = 2, 2 × 4 = 8, 10 − 8 = 2

   Step 3: bring down 8, 28 ÷ 4 = 7, 7 × 4 = 28, 28 − 28 = 0