Long Division Error Detective

Grade 4 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the step with the mistake.

1. Leo divided 9,784 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 9 = 1, 1 × 9 = 9, 9 − 9 = 0
   Step 2: bring down 7, 7 ÷ 9 = 0, 0 × 9 = 2, 7 − 2 = 5
   Step 3: bring down 8, 58 ÷ 9 = 6, 6 × 9 = 54, 58 − 54 = 4
   Step 4: bring down 4, 44 ÷ 9 = 4, 4 × 9 = 36, 44 − 36 = 8

2. Sam divided 5,991 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 59 ÷ 7 = 8, 8 × 7 = 56, 59 − 56 = 6
   Step 2: bring down 9, 69 ÷ 7 = 9, 9 × 7 = 63, 69 − 63 = 6
   Step 3: bring down 1, 61 ÷ 7 = 8, 8 × 7 = 56, 61 − 56 = 5

3. Lena divided 3,023 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 30 ÷ 7 = 4, 4 × 7 = 28, 30 − 28 = 2
   Step 2: bring down 2, 22 ÷ 7 = 3, 3 × 7 = 21, 22 − 21 = 1
   Step 3: bring down 2, 12 ÷ 7 = 1, 1 × 7 = 7, 12 − 7 = 5

4. Ana divided 9,058 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 6 = 1, 1 × 6 = 6, 9 − 6 = 3
   Step 2: bring down 0, 30 ÷ 6 = 5, 5 × 6 = 30, 30 − 30 = 0
   Step 3: bring down 5, 5 ÷ 6 = 0, 0 × 6 = 0, 5 − 0 = 5
   Step 4: bring down 8, 58 ÷ 6 = 9, 9 × 6 = 56, 58 − 56 = 2

5. Theo divided 3,356 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 33 ÷ 9 = 3, 3 × 9 = 27, 33 − 27 = 6
   Step 2: bring down 5, 65 ÷ 9 = 7, 7 × 9 = 63, 65 − 63 = 1
   Step 3: bring down 6, 16 ÷ 9 = 1, 1 × 9 = 9, 16 − 9 = 7

6. Jules divided 4,198 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 41 ÷ 5 = 8, 8 × 5 = 40, 41 − 40 = 1
   Step 2: bring down 7, 17 ÷ 5 = 3, 3 × 5 = 15, 17 − 15 = 2
   Step 3: bring down 8, 28 ÷ 5 = 5, 5 × 5 = 25, 28 − 25 = 3

Scan to get this marked free. No screen time for your child.
Print it · do it in pencil · scan it · PencilGo picks the next sheet.

Long Division Error Detective

Answer Key - Grade 4 Math Worksheet - Challenge Me

Circle the step with the mistake.

1. Leo divided 9,784 ÷ 9 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 7, 7 ÷ 9 = 0, 0 × 9 = 2, 7 − 2 = 5

   Step 3: bring down 8, 58 ÷ 9 = 6, 6 × 9 = 54, 58 − 54 = 4

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

2. Sam divided 5,991 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 59 ÷ 7 = 8, 8 × 7 = 56, 59 − 56 = 6

   Step 2: bring down 9, 69 ÷ 7 = 9, 9 × 7 = 63, 69 − 63 = 6

   Step 3: bring down 1, 61 ÷ 7 = 8, 8 × 7 = 56, 61 − 56 = 5

3. Lena divided 3,023 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 30 ÷ 7 = 4, 4 × 7 = 28, 30 − 28 = 2

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

   Step 3: bring down 2, 12 ÷ 7 = 1, 1 × 7 = 7, 12 − 7 = 5

4. Ana divided 9,058 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 6 = 1, 1 × 6 = 6, 9 − 6 = 3

   Step 2: bring down 0, 30 ÷ 6 = 5, 5 × 6 = 30, 30 − 30 = 0

   Step 3: bring down 5, 5 ÷ 6 = 0, 0 × 6 = 0, 5 − 0 = 5

   Step 4: bring down 8, 58 ÷ 6 = 9, 9 × 6 = 56, 58 − 56 = 2

5. Theo divided 3,356 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 33 ÷ 9 = 3, 3 × 9 = 27, 33 − 27 = 6

   Step 2: bring down 5, 65 ÷ 9 = 7, 7 × 9 = 63, 65 − 63 = 1

   Step 3: bring down 6, 16 ÷ 9 = 1, 1 × 9 = 9, 16 − 9 = 7

6. Jules divided 4,198 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 41 ÷ 5 = 8, 8 × 5 = 40, 41 − 40 = 1

   Step 2: bring down 7, 17 ÷ 5 = 3, 3 × 5 = 15, 17 − 15 = 2

   Step 3: bring down 8, 28 ÷ 5 = 5, 5 × 5 = 25, 28 − 25 = 3