Long Division Error Detective

Grade 4 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the step with the mistake.

1. Leo divided 1,762 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 17 ÷ 9 = 1, 1 × 9 = 9, 17 − 9 = 8
   Step 2: bring down 6, 86 ÷ 9 = 9, 9 × 9 = 82, 86 − 82 = 4
   Step 3: bring down 2, 42 ÷ 9 = 4, 4 × 9 = 36, 42 − 36 = 6

2. Nora divided 1,166 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1
   Step 2: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 15, 16 − 15 = 1
   Step 3: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 15, 16 − 15 = 3

3. Ivy divided 3,101 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 31 ÷ 9 = 3, 3 × 9 = 27, 31 − 27 = 4
   Step 2: bring down 0, 40 ÷ 9 = 4, 4 × 9 = 36, 40 − 36 = 4
   Step 3: bring down 5, 45 ÷ 9 = 5, 5 × 9 = 45, 45 − 45 = 0

4. Theo divided 9,484 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 9 = 1, 1 × 9 = 6, 9 − 6 = 3
   Step 2: bring down 4, 34 ÷ 9 = 3, 3 × 9 = 27, 34 − 27 = 7
   Step 3: bring down 8, 78 ÷ 9 = 8, 8 × 9 = 72, 78 − 72 = 6
   Step 4: bring down 4, 64 ÷ 9 = 7, 7 × 9 = 63, 64 − 63 = 1

5. Nora divided 5,029 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 5 ÷ 5 = 1, 1 × 5 = 5, 5 − 5 = 0
   Step 2: bring down 0, 0 ÷ 5 = 0, 0 × 5 = 0, 0 − 0 = 0
   Step 3: bring down 2, 2 ÷ 5 = 0, 0 × 5 = 0, 2 − 0 = 2
   Step 4: bring down 9, 29 ÷ 5 = 5, 5 × 5 = 25, 29 − 25 = 2

6. Omar divided 7,486 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 7 ÷ 6 = 1, 1 × 6 = 6, 7 − 6 = 1
   Step 2: bring down 4, 14 ÷ 6 = 2, 2 × 6 = 12, 14 − 12 = 2
   Step 3: bring down 3, 23 ÷ 6 = 3, 3 × 6 = 18, 23 − 18 = 5
   Step 4: bring down 6, 56 ÷ 6 = 9, 9 × 6 = 54, 56 − 54 = 2

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Answer Key - Grade 4 Math Worksheet - Challenge Me

Circle the step with the mistake.

1. Leo divided 1,762 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 17 ÷ 9 = 1, 1 × 9 = 9, 17 − 9 = 8

   Step 2: bring down 6, 86 ÷ 9 = 9, 9 × 9 = 82, 86 − 82 = 4

   Step 3: bring down 2, 42 ÷ 9 = 4, 4 × 9 = 36, 42 − 36 = 6

2. Nora divided 1,166 ÷ 5 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 15, 16 − 15 = 1

   Step 3: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 15, 16 − 15 = 3

3. Ivy divided 3,101 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 31 ÷ 9 = 3, 3 × 9 = 27, 31 − 27 = 4

   Step 2: bring down 0, 40 ÷ 9 = 4, 4 × 9 = 36, 40 − 36 = 4

   Step 3: bring down 5, 45 ÷ 9 = 5, 5 × 9 = 45, 45 − 45 = 0

4. Theo divided 9,484 ÷ 9 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 4, 34 ÷ 9 = 3, 3 × 9 = 27, 34 − 27 = 7

   Step 3: bring down 8, 78 ÷ 9 = 8, 8 × 9 = 72, 78 − 72 = 6

   Step 4: bring down 4, 64 ÷ 9 = 7, 7 × 9 = 63, 64 − 63 = 1

5. Nora divided 5,029 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 5 ÷ 5 = 1, 1 × 5 = 5, 5 − 5 = 0

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

   Step 3: bring down 2, 2 ÷ 5 = 0, 0 × 5 = 0, 2 − 0 = 2

   Step 4: bring down 9, 29 ÷ 5 = 5, 5 × 5 = 25, 29 − 25 = 2

6. Omar divided 7,486 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 7 ÷ 6 = 1, 1 × 6 = 6, 7 − 6 = 1

   Step 2: bring down 4, 14 ÷ 6 = 2, 2 × 6 = 12, 14 − 12 = 2

   Step 3: bring down 3, 23 ÷ 6 = 3, 3 × 6 = 18, 23 − 18 = 5

   Step 4: bring down 6, 56 ÷ 6 = 9, 9 × 6 = 54, 56 − 54 = 2