Long Division Error Detective

Grade 4 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the step with the mistake.

1. Maya divided 9,939 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 8 = 1, 1 × 8 = 8, 9 − 8 = 1
   Step 2: bring down 9, 19 ÷ 8 = 2, 2 × 8 = 16, 19 − 16 = 3
   Step 3: bring down 3, 33 ÷ 8 = 4, 4 × 8 = 32, 33 − 32 = 1
   Step 4: bring down 9, 19 ÷ 8 = 2, 2 × 8 = 19, 19 − 19 = 0

2. Lena divided 9,346 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 7 = 1, 1 × 7 = 7, 9 − 7 = 2
   Step 2: bring down 3, 23 ÷ 7 = 3, 3 × 7 = 21, 23 − 21 = 1
   Step 3: bring down 4, 14 ÷ 7 = 2, 2 × 7 = 14, 14 − 14 = 0
   Step 4: bring down 6, 6 ÷ 7 = 0, 0 × 7 = 0, 6 − 0 = 6

3. Omar divided 5,238 ÷ 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 2, 2 ÷ 5 = 0, 0 × 5 = 0, 2 − 0 = 2
   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 20, 23 − 20 = 3
   Step 4: bring down 9, 39 ÷ 5 = 7, 7 × 5 = 35, 39 − 35 = 4

4. Sam divided 4,528 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 45 ÷ 5 = 9, 9 × 5 = 45, 45 − 45 = 0
   Step 2: bring down 2, 2 ÷ 5 = 0, 0 × 5 = 0, 2 − 0 = 2
   Step 3: bring down 8, 28 ÷ 5 = 5, 5 × 5 = 28, 28 − 28 = 0

5. Jules divided 2,033 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 20 ÷ 8 = 2, 2 × 8 = 16, 20 − 16 = 2
   Step 2: bring down 3, 23 ÷ 8 = 2, 2 × 8 = 16, 23 − 16 = 7
   Step 3: bring down 3, 73 ÷ 8 = 9, 9 × 8 = 72, 73 − 72 = 1

6. Jules divided 1,433 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 14 ÷ 5 = 2, 2 × 5 = 10, 14 − 10 = 4
   Step 2: bring down 2, 42 ÷ 5 = 8, 8 × 5 = 40, 42 − 40 = 2
   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 20, 23 − 20 = 3

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Answer Key - Grade 4 Math Worksheet - Challenge Me

Circle the step with the mistake.

1. Maya divided 9,939 ÷ 8 and made one mistake. Which step has the mistake?

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

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

   Step 3: bring down 3, 33 ÷ 8 = 4, 4 × 8 = 32, 33 − 32 = 1

   Step 4: bring down 9, 19 ÷ 8 = 2, 2 × 8 = 19, 19 − 19 = 0

2. Lena divided 9,346 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 7 = 1, 1 × 7 = 7, 9 − 7 = 2

   Step 2: bring down 3, 23 ÷ 7 = 3, 3 × 7 = 21, 23 − 21 = 1

   Step 3: bring down 4, 14 ÷ 7 = 2, 2 × 7 = 14, 14 − 14 = 0

   Step 4: bring down 6, 6 ÷ 7 = 0, 0 × 7 = 0, 6 − 0 = 6

3. Omar divided 5,238 ÷ 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 2, 2 ÷ 5 = 0, 0 × 5 = 0, 2 − 0 = 2

   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 20, 23 − 20 = 3

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

4. Sam divided 4,528 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 45 ÷ 5 = 9, 9 × 5 = 45, 45 − 45 = 0

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

   Step 3: bring down 8, 28 ÷ 5 = 5, 5 × 5 = 28, 28 − 28 = 0

5. Jules divided 2,033 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 20 ÷ 8 = 2, 2 × 8 = 16, 20 − 16 = 2

   Step 2: bring down 3, 23 ÷ 8 = 2, 2 × 8 = 16, 23 − 16 = 7

   Step 3: bring down 3, 73 ÷ 8 = 9, 9 × 8 = 72, 73 − 72 = 1

6. Jules divided 1,433 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 14 ÷ 5 = 2, 2 × 5 = 10, 14 − 10 = 4

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

   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 20, 23 − 20 = 3