Long Division Error Detective

Grade 4 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the step with the mistake.

1. Jules divided 6,626 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 66 ÷ 8 = 8, 8 × 8 = 64, 66 − 64 = 2
   Step 2: bring down 2, 22 ÷ 8 = 2, 2 × 8 = 16, 22 − 16 = 6
   Step 3: bring down 6, 66 ÷ 8 = 8, 8 × 8 = 62, 66 − 62 = 4

2. Sam divided 3,611 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 36 ÷ 6 = 6, 6 × 6 = 36, 36 − 36 = 0
   Step 2: bring down 1, 1 ÷ 6 = 0, 0 × 6 = 0, 1 − 0 = 1
   Step 3: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 3

3. Ben divided 5,291 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 52 ÷ 8 = 6, 6 × 8 = 48, 52 − 48 = 4
   Step 2: bring down 9, 49 ÷ 8 = 6, 6 × 8 = 48, 49 − 48 = 1
   Step 3: bring down 8, 18 ÷ 8 = 2, 2 × 8 = 16, 18 − 16 = 2

4. Maya divided 8,439 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 84 ÷ 9 = 9, 9 × 9 = 81, 84 − 81 = 3
   Step 2: bring down 3, 33 ÷ 9 = 3, 3 × 9 = 29, 33 − 29 = 4
   Step 3: bring down 9, 49 ÷ 9 = 5, 5 × 9 = 45, 49 − 45 = 4

5. Ana divided 3,497 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 34 ÷ 7 = 4, 4 × 7 = 28, 34 − 28 = 5
   Step 2: bring down 9, 59 ÷ 7 = 8, 8 × 7 = 56, 59 − 56 = 3
   Step 3: bring down 7, 37 ÷ 7 = 5, 5 × 7 = 35, 37 − 35 = 2

6. Theo divided 8,070 ÷ 9 and made one mistake. Which step has the mistake?
   Step 1: 80 ÷ 9 = 8, 8 × 9 = 72, 80 − 72 = 8
   Step 2: bring down 7, 87 ÷ 9 = 9, 9 × 9 = 81, 87 − 81 = 6
   Step 3: bring down 8, 68 ÷ 9 = 7, 7 × 9 = 63, 68 − 63 = 5

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Answer Key - Grade 4 Math Worksheet - Challenge Me

Circle the step with the mistake.

1. Jules divided 6,626 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 66 ÷ 8 = 8, 8 × 8 = 64, 66 − 64 = 2

   Step 2: bring down 2, 22 ÷ 8 = 2, 2 × 8 = 16, 22 − 16 = 6

   Step 3: bring down 6, 66 ÷ 8 = 8, 8 × 8 = 62, 66 − 62 = 4

2. Sam divided 3,611 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 36 ÷ 6 = 6, 6 × 6 = 36, 36 − 36 = 0

   Step 2: bring down 1, 1 ÷ 6 = 0, 0 × 6 = 0, 1 − 0 = 1

   Step 3: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 3

3. Ben divided 5,291 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 52 ÷ 8 = 6, 6 × 8 = 48, 52 − 48 = 4

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

   Step 3: bring down 8, 18 ÷ 8 = 2, 2 × 8 = 16, 18 − 16 = 2

4. Maya divided 8,439 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 84 ÷ 9 = 9, 9 × 9 = 81, 84 − 81 = 3

   Step 2: bring down 3, 33 ÷ 9 = 3, 3 × 9 = 29, 33 − 29 = 4

   Step 3: bring down 9, 49 ÷ 9 = 5, 5 × 9 = 45, 49 − 45 = 4

5. Ana divided 3,497 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 34 ÷ 7 = 4, 4 × 7 = 28, 34 − 28 = 5

   Step 2: bring down 9, 59 ÷ 7 = 8, 8 × 7 = 56, 59 − 56 = 3

   Step 3: bring down 7, 37 ÷ 7 = 5, 5 × 7 = 35, 37 − 35 = 2

6. Theo divided 8,070 ÷ 9 and made one mistake. Which step has the mistake?

   Step 1: 80 ÷ 9 = 8, 8 × 9 = 72, 80 − 72 = 8

   Step 2: bring down 7, 87 ÷ 9 = 9, 9 × 9 = 81, 87 − 81 = 6

   Step 3: bring down 8, 68 ÷ 9 = 7, 7 × 9 = 63, 68 − 63 = 5