Long Division Error Detective

Grade 4 Math Worksheet - Building Confidence

Name _____ Date _____

Circle the step with the mistake.

1. Jules divided 246 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 24 ÷ 5 = 4, 4 × 5 = 20, 24 − 20 = 4
   Step 2: bring down 6, 46 ÷ 5 = 9, 9 × 5 = 43, 46 − 43 = 3

2. Ben divided 114 ÷ 3 and made one mistake. Which step has the mistake?
   Step 1: 11 ÷ 3 = 3, 3 × 3 = 9, 11 − 9 = 0
   Step 2: bring down 4, 4 ÷ 3 = 1, 1 × 3 = 3, 4 − 3 = 1

3. Lena divided 266 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 26 ÷ 5 = 5, 5 × 5 = 25, 26 − 25 = 1
   Step 2: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 14, 16 − 14 = 2

4. Nora divided 578 ÷ 2 and made one mistake. Which step has the mistake?
   Step 1: 5 ÷ 2 = 2, 2 × 2 = 4, 5 − 4 = 0
   Step 2: bring down 7, 7 ÷ 2 = 3, 3 × 2 = 6, 7 − 6 = 1
   Step 3: bring down 8, 18 ÷ 2 = 9, 9 × 2 = 18, 18 − 18 = 0

5. Ana divided 550 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 5 ÷ 4 = 1, 1 × 4 = 4, 5 − 4 = 1
   Step 2: bring down 5, 15 ÷ 4 = 3, 3 × 4 = 12, 15 − 12 = 3
   Step 3: bring down 0, 30 ÷ 4 = 7, 7 × 4 = 29, 30 − 29 = 1

6. Sam divided 948 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 2
   Step 2: bring down 4, 24 ÷ 4 = 6, 6 × 4 = 24, 24 − 24 = 0
   Step 3: bring down 8, 8 ÷ 4 = 2, 2 × 4 = 8, 8 − 8 = 0

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Answer Key - Grade 4 Math Worksheet - Building Confidence

Circle the step with the mistake.

1. Jules divided 246 ÷ 5 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 6, 46 ÷ 5 = 9, 9 × 5 = 43, 46 − 43 = 3

2. Ben divided 114 ÷ 3 and made one mistake. Which step has the mistake?

   Step 1: 11 ÷ 3 = 3, 3 × 3 = 9, 11 − 9 = 0

   Step 2: bring down 4, 4 ÷ 3 = 1, 1 × 3 = 3, 4 − 3 = 1

3. Lena divided 266 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 26 ÷ 5 = 5, 5 × 5 = 25, 26 − 25 = 1

   Step 2: bring down 6, 16 ÷ 5 = 3, 3 × 5 = 14, 16 − 14 = 2

4. Nora divided 578 ÷ 2 and made one mistake. Which step has the mistake?

   Step 1: 5 ÷ 2 = 2, 2 × 2 = 4, 5 − 4 = 0

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

   Step 3: bring down 8, 18 ÷ 2 = 9, 9 × 2 = 18, 18 − 18 = 0

5. Ana divided 550 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 5 ÷ 4 = 1, 1 × 4 = 4, 5 − 4 = 1

   Step 2: bring down 5, 15 ÷ 4 = 3, 3 × 4 = 12, 15 − 12 = 3

   Step 3: bring down 0, 30 ÷ 4 = 7, 7 × 4 = 29, 30 − 29 = 1

6. Sam divided 948 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 2

   Step 2: bring down 4, 24 ÷ 4 = 6, 6 × 4 = 24, 24 − 24 = 0

   Step 3: bring down 8, 8 ÷ 4 = 2, 2 × 4 = 8, 8 − 8 = 0