Long Division Error Detective

Grade 4 Math Worksheet - Building Confidence

Name _____ Date _____

Circle the step with the mistake.

1. Priya divided 681 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 6 ÷ 5 = 1, 1 × 5 = 5, 6 − 5 = 1
   Step 2: bring down 8, 18 ÷ 5 = 3, 3 × 5 = 15, 18 − 15 = 3
   Step 3: bring down 1, 31 ÷ 5 = 6, 6 × 5 = 28, 31 − 28 = 3

2. Sam divided 224 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 22 ÷ 5 = 4, 4 × 5 = 20, 22 − 20 = 0
   Step 2: bring down 4, 4 ÷ 5 = 0, 0 × 5 = 0, 4 − 0 = 4

3. Ivy divided 723 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 7 ÷ 5 = 1, 1 × 5 = 5, 7 − 5 = 2
   Step 2: bring down 2, 22 ÷ 5 = 4, 4 × 5 = 20, 22 − 20 = 2
   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 21, 23 − 21 = 2

4. Ivy divided 978 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 2
   Step 2: bring down 7, 27 ÷ 5 = 5, 5 × 5 = 25, 27 − 25 = 2
   Step 3: bring down 8, 28 ÷ 5 = 5, 5 × 5 = 25, 28 − 25 = 3

5. Ben divided 902 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 1
   Step 2: bring down 0, 10 ÷ 4 = 2, 2 × 4 = 8, 10 − 8 = 2
   Step 3: bring down 2, 22 ÷ 4 = 5, 5 × 4 = 22, 22 − 22 = 0

6. Jules divided 917 ÷ 4 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 3
   Step 2: bring down 1, 31 ÷ 4 = 7, 7 × 4 = 28, 31 − 28 = 3
   Step 3: bring down 7, 37 ÷ 4 = 9, 9 × 4 = 36, 37 − 36 = 1

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Answer Key - Grade 4 Math Worksheet - Building Confidence

Circle the step with the mistake.

1. Priya divided 681 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 6 ÷ 5 = 1, 1 × 5 = 5, 6 − 5 = 1

   Step 2: bring down 8, 18 ÷ 5 = 3, 3 × 5 = 15, 18 − 15 = 3

   Step 3: bring down 1, 31 ÷ 5 = 6, 6 × 5 = 28, 31 − 28 = 3

2. Sam divided 224 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 22 ÷ 5 = 4, 4 × 5 = 20, 22 − 20 = 0

   Step 2: bring down 4, 4 ÷ 5 = 0, 0 × 5 = 0, 4 − 0 = 4

3. Ivy divided 723 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 7 ÷ 5 = 1, 1 × 5 = 5, 7 − 5 = 2

   Step 2: bring down 2, 22 ÷ 5 = 4, 4 × 5 = 20, 22 − 20 = 2

   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 21, 23 − 21 = 2

4. Ivy divided 978 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 2

   Step 2: bring down 7, 27 ÷ 5 = 5, 5 × 5 = 25, 27 − 25 = 2

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

5. Ben divided 902 ÷ 4 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 0, 10 ÷ 4 = 2, 2 × 4 = 8, 10 − 8 = 2

   Step 3: bring down 2, 22 ÷ 4 = 5, 5 × 4 = 22, 22 − 22 = 0

6. Jules divided 917 ÷ 4 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 3

   Step 2: bring down 1, 31 ÷ 4 = 7, 7 × 4 = 28, 31 − 28 = 3

   Step 3: bring down 7, 37 ÷ 4 = 9, 9 × 4 = 36, 37 − 36 = 1