Long Division Error Detective

Grade 4 Math Worksheet

Name _____ Date _____

Circle the step with the mistake.

1. Nora divided 985 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 9 ÷ 6 = 1, 1 × 6 = 4, 9 − 4 = 5
   Step 2: bring down 8, 58 ÷ 6 = 9, 9 × 6 = 54, 58 − 54 = 4
   Step 3: bring down 5, 45 ÷ 6 = 7, 7 × 6 = 42, 45 − 42 = 3

2. Maya divided 1,696 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 16 ÷ 7 = 2, 2 × 7 = 14, 16 − 14 = 2
   Step 2: bring down 9, 29 ÷ 7 = 4, 4 × 7 = 28, 29 − 28 = 1
   Step 3: bring down 6, 16 ÷ 7 = 2, 2 × 7 = 14, 16 − 14 = 0

3. Omar divided 702 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 70 ÷ 8 = 8, 8 × 8 = 64, 70 − 64 = 6
   Step 2: bring down 5, 65 ÷ 8 = 8, 8 × 8 = 64, 65 − 64 = 1

4. Sam divided 3,613 ÷ 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 = 1, 1 − 1 = 0
   Step 3: bring down 3, 3 ÷ 6 = 0, 0 × 6 = 0, 3 − 0 = 3

5. Lena divided 773 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 7 ÷ 5 = 1, 1 × 5 = 5, 7 − 5 = 4
   Step 2: bring down 7, 47 ÷ 5 = 9, 9 × 5 = 45, 47 − 45 = 2
   Step 3: bring down 3, 23 ÷ 5 = 4, 4 × 5 = 20, 23 − 20 = 3

6. Omar divided 7,203 ÷ 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 0, 20 ÷ 5 = 4, 4 × 5 = 20, 20 − 20 = 0
   Step 4: bring down 9, 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 4

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Answer Key - Grade 4 Math Worksheet

Circle the step with the mistake.

1. Nora divided 985 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 9 ÷ 6 = 1, 1 × 6 = 4, 9 − 4 = 5

   Step 2: bring down 8, 58 ÷ 6 = 9, 9 × 6 = 54, 58 − 54 = 4

   Step 3: bring down 5, 45 ÷ 6 = 7, 7 × 6 = 42, 45 − 42 = 3

2. Maya divided 1,696 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 16 ÷ 7 = 2, 2 × 7 = 14, 16 − 14 = 2

   Step 2: bring down 9, 29 ÷ 7 = 4, 4 × 7 = 28, 29 − 28 = 1

   Step 3: bring down 6, 16 ÷ 7 = 2, 2 × 7 = 14, 16 − 14 = 0

3. Omar divided 702 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 70 ÷ 8 = 8, 8 × 8 = 64, 70 − 64 = 6

   Step 2: bring down 5, 65 ÷ 8 = 8, 8 × 8 = 64, 65 − 64 = 1

4. Sam divided 3,613 ÷ 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 = 1, 1 − 1 = 0

   Step 3: bring down 3, 3 ÷ 6 = 0, 0 × 6 = 0, 3 − 0 = 3

5. Lena divided 773 ÷ 5 and made one mistake. Which step has the mistake?

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

   Step 2: bring down 7, 47 ÷ 5 = 9, 9 × 5 = 45, 47 − 45 = 2

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

6. Omar divided 7,203 ÷ 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 0, 20 ÷ 5 = 4, 4 × 5 = 20, 20 − 20 = 0

   Step 4: bring down 9, 9 ÷ 5 = 1, 1 × 5 = 5, 9 − 5 = 4