Long Division Error Detective

Grade 4 Math Worksheet - Challenge Me

Name _____ Date _____

Circle the step with the mistake.

1. Maya divided 4,329 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 43 ÷ 5 = 8, 8 × 5 = 41, 43 − 41 = 2
   Step 2: bring down 2, 22 ÷ 5 = 4, 4 × 5 = 20, 22 − 20 = 2
   Step 3: bring down 9, 29 ÷ 5 = 5, 5 × 5 = 25, 29 − 25 = 4

2. Ivy divided 6,621 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 6 ÷ 5 = 1, 1 × 5 = 5, 6 − 5 = 3
   Step 2: bring down 6, 36 ÷ 5 = 7, 7 × 5 = 35, 36 − 35 = 1
   Step 3: bring down 2, 12 ÷ 5 = 2, 2 × 5 = 10, 12 − 10 = 2
   Step 4: bring down 1, 21 ÷ 5 = 4, 4 × 5 = 20, 21 − 20 = 1

3. Ivy divided 3,415 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 34 ÷ 5 = 6, 6 × 5 = 30, 34 − 30 = 4
   Step 2: bring down 5, 45 ÷ 5 = 9, 9 × 5 = 45, 45 − 45 = 0
   Step 3: bring down 5, 5 ÷ 5 = 1, 1 × 5 = 5, 5 − 5 = 0

4. Nora divided 3,061 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 30 ÷ 6 = 5, 5 × 6 = 30, 30 − 30 = 0
   Step 2: bring down 6, 6 ÷ 6 = 1, 1 × 6 = 5, 6 − 5 = 1
   Step 3: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5

5. Lena divided 9,980 ÷ 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 8, 38 ÷ 8 = 4, 4 × 8 = 32, 38 − 32 = 6
   Step 4: bring down 0, 60 ÷ 8 = 7, 7 × 8 = 56, 60 − 56 = 5

6. Priya divided 1,357 ÷ 7 and made one mistake. Which step has the mistake?
   Step 1: 13 ÷ 7 = 1, 1 × 7 = 7, 13 − 7 = 6
   Step 2: bring down 1, 61 ÷ 7 = 8, 8 × 7 = 56, 61 − 56 = 5
   Step 3: bring down 7, 57 ÷ 7 = 8, 8 × 7 = 56, 57 − 56 = 1

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Answer Key - Grade 4 Math Worksheet - Challenge Me

Circle the step with the mistake.

1. Maya divided 4,329 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 43 ÷ 5 = 8, 8 × 5 = 41, 43 − 41 = 2

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

   Step 3: bring down 9, 29 ÷ 5 = 5, 5 × 5 = 25, 29 − 25 = 4

2. Ivy divided 6,621 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 6 ÷ 5 = 1, 1 × 5 = 5, 6 − 5 = 3

   Step 2: bring down 6, 36 ÷ 5 = 7, 7 × 5 = 35, 36 − 35 = 1

   Step 3: bring down 2, 12 ÷ 5 = 2, 2 × 5 = 10, 12 − 10 = 2

   Step 4: bring down 1, 21 ÷ 5 = 4, 4 × 5 = 20, 21 − 20 = 1

3. Ivy divided 3,415 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 34 ÷ 5 = 6, 6 × 5 = 30, 34 − 30 = 4

   Step 2: bring down 5, 45 ÷ 5 = 9, 9 × 5 = 45, 45 − 45 = 0

   Step 3: bring down 5, 5 ÷ 5 = 1, 1 × 5 = 5, 5 − 5 = 0

4. Nora divided 3,061 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 30 ÷ 6 = 5, 5 × 6 = 30, 30 − 30 = 0

   Step 2: bring down 6, 6 ÷ 6 = 1, 1 × 6 = 5, 6 − 5 = 1

   Step 3: bring down 1, 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5

5. Lena divided 9,980 ÷ 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 8, 38 ÷ 8 = 4, 4 × 8 = 32, 38 − 32 = 6

   Step 4: bring down 0, 60 ÷ 8 = 7, 7 × 8 = 56, 60 − 56 = 5

6. Priya divided 1,357 ÷ 7 and made one mistake. Which step has the mistake?

   Step 1: 13 ÷ 7 = 1, 1 × 7 = 7, 13 − 7 = 6

   Step 2: bring down 1, 61 ÷ 7 = 8, 8 × 7 = 56, 61 − 56 = 5

   Step 3: bring down 7, 57 ÷ 7 = 8, 8 × 7 = 56, 57 − 56 = 1