Long Division Error Detective

Grade 4 Math Worksheet

Name _____ Date _____

Circle the step with the mistake.

1. Jules divided 230 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 23 ÷ 6 = 3, 3 × 6 = 19, 23 − 19 = 4
   Step 2: bring down 0, 40 ÷ 6 = 6, 6 × 6 = 36, 40 − 36 = 4

2. Jules divided 1,194 ÷ 6 and made one mistake. Which step has the mistake?
   Step 1: 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5
   Step 2: bring down 9, 59 ÷ 6 = 9, 9 × 6 = 54, 59 − 54 = 2
   Step 3: bring down 4, 24 ÷ 6 = 4, 4 × 6 = 24, 24 − 24 = 0

3. Priya divided 576 ÷ 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 6, 36 ÷ 4 = 9, 9 × 4 = 36, 36 − 36 = 0

4. Ben divided 3,062 ÷ 8 and made one mistake. Which step has the mistake?
   Step 1: 30 ÷ 8 = 3, 3 × 8 = 24, 30 − 24 = 6
   Step 2: bring down 6, 66 ÷ 8 = 8, 8 × 8 = 63, 66 − 63 = 3
   Step 3: bring down 2, 32 ÷ 8 = 4, 4 × 8 = 32, 32 − 32 = 0

5. Theo divided 118 ÷ 5 and made one mistake. Which step has the mistake?
   Step 1: 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1
   Step 2: bring down 8, 18 ÷ 5 = 3, 3 × 5 = 15, 18 − 15 = 1

6. Ana divided 5,683 ÷ 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 6, 16 ÷ 4 = 4, 4 × 4 = 16, 16 − 16 = 0
   Step 3: bring down 8, 8 ÷ 4 = 2, 2 × 4 = 8, 8 − 8 = 0
   Step 4: bring down 9, 9 ÷ 4 = 2, 2 × 4 = 8, 9 − 8 = 1

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Answer Key - Grade 4 Math Worksheet

Circle the step with the mistake.

1. Jules divided 230 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 23 ÷ 6 = 3, 3 × 6 = 19, 23 − 19 = 4

   Step 2: bring down 0, 40 ÷ 6 = 6, 6 × 6 = 36, 40 − 36 = 4

2. Jules divided 1,194 ÷ 6 and made one mistake. Which step has the mistake?

   Step 1: 11 ÷ 6 = 1, 1 × 6 = 6, 11 − 6 = 5

   Step 2: bring down 9, 59 ÷ 6 = 9, 9 × 6 = 54, 59 − 54 = 2

   Step 3: bring down 4, 24 ÷ 6 = 4, 4 × 6 = 24, 24 − 24 = 0

3. Priya divided 576 ÷ 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 6, 36 ÷ 4 = 9, 9 × 4 = 36, 36 − 36 = 0

4. Ben divided 3,062 ÷ 8 and made one mistake. Which step has the mistake?

   Step 1: 30 ÷ 8 = 3, 3 × 8 = 24, 30 − 24 = 6

   Step 2: bring down 6, 66 ÷ 8 = 8, 8 × 8 = 63, 66 − 63 = 3

   Step 3: bring down 2, 32 ÷ 8 = 4, 4 × 8 = 32, 32 − 32 = 0

5. Theo divided 118 ÷ 5 and made one mistake. Which step has the mistake?

   Step 1: 11 ÷ 5 = 2, 2 × 5 = 10, 11 − 10 = 1

   Step 2: bring down 8, 18 ÷ 5 = 3, 3 × 5 = 15, 18 − 15 = 1

6. Ana divided 5,683 ÷ 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 6, 16 ÷ 4 = 4, 4 × 4 = 16, 16 − 16 = 0

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

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