# Divide It Out: Worked Answers

Each problem solved the way the lesson does it.

Name: _____ Date: _____

1. Write 1 eighth as a decimal.
   - 10 ÷ 8 is 1, remainder 2.
   - 20 ÷ 8 is 2, remainder 4.
   - 40 ÷ 8 is 5, remainder 0.

   Answer: 0.125

2. Write 3 fifths as a decimal.
   - 30 ÷ 5 is 6, remainder 0.

   Answer: 0.6

3. Write 9 twentieths as a decimal.
   - 90 ÷ 20 is 4, remainder 10.
   - 100 ÷ 20 is 5, remainder 0.

   Answer: 0.45

4. Write −7 eighths as a decimal.
   - Sign: negative.
   - 70 ÷ 8 is 8, remainder 6. 60 ÷ 8 is 7, remainder 4. 40 ÷ 8 is 5, remainder 0.

   Answer: −0.875

5. Write 1 fortieth as a decimal.
   - 10 ÷ 40 is 0, so the first digit is 0.
   - 100 ÷ 40 is 2, remainder 20.
   - 200 ÷ 40 is 5, remainder 0.

   Answer: 0.025

6 Write 11 fourths as a decimal.

- 11 ÷ 4 is 2, remainder 3.
- 30 ÷ 4 is 7, remainder 2.
- 20 ÷ 4 is 5, remainder 0.

Answer: 2.75

7 Write −3 sixteenths as a decimal.

- Sign: negative.
- 30 ÷ 16 is 1, remainder 14. 140 ÷ 16 is 8, remainder 12. 120 ÷ 16 is 7, remainder 8. 80 ÷ 16 is 5, remainder 0.

Answer: −0.1875

8 Write 7 fiftieths as a decimal.

- 70 ÷ 50 is 1, remainder 20.
- 200 ÷ 50 is 4, remainder 0.

Answer: 0.14