Name _____

Benchmark Check Answer Key

1. 3/10 < 1/2
   (0.30 < 0.50)
2. 0.75 < 1
   (0.75 < 1.00)
3. 5/8 > 1/2
   (0.625 > 0.50)
4. 0.50 = 1/2
   (0.50 = 0.50)
5. 9/10 < 1
   (0.90 < 1.00)
6. 1/5 > 0
   (0.20 > 0)
7. 0.45 < 1/2
   (0.45 < 0.50)
8. 7/8 < 1
   (0.875 < 1.00)
9. 0.00 = 0
   (0.00 = 0)
10. 2/4 = 1/2
    (0.50 = 0.50)
11. 0.95 < 1
    (0.95 < 1.00)
12. 11/20 > 1/2
    (0.55 > 0.50)

Teacher's Guide

- Begin by reviewing benchmark values of 0, 1/2, and 1 and why they are useful for estimating.
- Encourage students to think mentally before converting fractions to decimals.
- Provide fraction strips or number lines for students who need visual support.
- Ask students to explain how they knew a number was above or below the benchmark without performing detailed calculations.
- Have students work in pairs to justify one answer each using mathematical reasoning.
- Extend the activity by asking students to create three new fraction-decimal comparisons using the benchmarks 0, 1/2, and 1.