

Fractions and Decimals Practice

This worksheet gives you practice converting fractions to decimals, comparing decimal numbers, and adding and subtracting decimals, matching what Grade 4 students learn about place value and fraction equivalence ([Outcome](#), [Skills](#)). You will also solve a money problem, since dollars and cents are written with decimal notation ([Understanding](#)).

Exercises

1. Write the equivalent decimal number for each fraction.

Fraction	Decimal
$\frac{3}{10}$	_____
$\frac{45}{100}$	_____
$\frac{7}{10}$	_____
$\frac{9}{100}$	_____

([Skills](#), [Knowledge](#))

2. Write the value of the underlined digit.

a) 4.72 !' _____

b) 15.36 !' _____

c) 0.08 !' _____

d) 6.59 !' _____

([Outcome](#), [Knowledge](#))

3. Compare each pair of decimals. Write <, >, or = in the blank.

a) 0.6 _____ 0.60

b) 0.35 _____ 0.53

c) 2.4 _____ 2.40

d) 0.7 _____ 0.68

([Skills](#))

4. Add or subtract. Estimate first, then solve.

a) $3.45 + 2.30 =$

Estimate: _____

Exact answer: _____

b) $8.60 - 4.25 =$

Estimate: _____

Exact answer: _____

c) $5.75 + 1.09 =$

Estimate: _____

Exact answer: _____

([Knowledge](#), [Skills](#))

5. Multiple choice. Circle the correct letter.

Which fraction is equivalent to 0.25?

- A) $\frac{1}{10}$
- B) $\frac{1}{4}$
- C) $\frac{25}{10}$
- D) $\frac{2}{5}$

([Skills](#), [Knowledge](#))

6. Money word problem.

Simone has 6 dollars and 45 cents saved. She buys a snack for 2 dollars and 80 cents.

a) Write both amounts in decimal notation.

Savings: _____

Snack: _____

b) How much money does Simone have left?

c) Use estimation to check your answer. Is your answer reasonable? Explain in one sentence.

([Understanding](#), [Skills](#))

Answer key

1. $\frac{3}{10} = 0.3$, $\frac{45}{100} = 0.45$, $\frac{7}{10} = 0.7$, $\frac{9}{100} = 0.09$
2. a) 7 tenths (0.7) b) 5 ones (5) c) 0 tenths (0) d) 9 hundredths (0.09)
3. a) = b) < c) = d) >
4. a) Estimate 5, exact 5.75 b) Estimate 4.3, exact 4.35 c) Estimate 7, exact 6.84
5. B
6. a) \$6.45 and \$2.80 b) 3.65 dollars c) Answers will vary; $6.45 - 2.80$ rounds close to $6.50 - 3.00 = 3.50$, so 3.65 is reasonable.