

Fractions and Decimals Practice

This worksheet reviews how place value works with decimal numbers and how fractions and decimals can represent the same amount ([Outcome](#), [Outcome](#)). You will also practise adding and subtracting decimals and comparing fractions and decimals ([Outcome](#)).

Exercises

1. Place value match-up

Draw a line to match each digit's place value in the number below.

Number: **45.67**

Digit	Place value
4	A) hundredths
5	B) tenths
6	C) tens
7	D) ones

Write your matches here:

4 = _____ 5 = _____ 6 = _____ 7 = _____

2. Add and subtract decimals

Solve each problem. Show your work in the space provided.

a) $12.45 + 3.7 =$ _____

b) $8.60 - 2.35 =$ _____

c) A juice box costs \$1.25 and a granola bar costs \$0.85. How much do both cost together? _____

d) Estimate first, then solve: $9.9 - 4.2$. Estimate: _____ Exact answer: _____

3. Equivalent fractions

Fill in the missing numerator or denominator to make each pair of fractions equivalent.

a) $\frac{1}{3} = \frac{\quad}{9}$

b) $\frac{2}{5} = \frac{4}{\quad}$

c) $\frac{3}{4} = \frac{9}{\quad}$

d) $\frac{\quad}{10} = \frac{3}{5}$

4. Simplify to lowest terms

Simplify each fraction by dividing the numerator and denominator by their greatest common factor.

a) $\frac{6}{8} =$ _____

b) $\frac{10}{15} =$ _____

c) $\frac{4}{12} =$ _____

d) $\frac{9}{12} =$ _____

5. Fractions and decimals, same number, two names

Write each fraction as a decimal, or each decimal as a fraction. The first one is done for you.

a) $\frac{3}{10} = 0.3$

b) $\frac{7}{10} = \underline{\hspace{2cm}}$

c) $0.45 = \underline{\hspace{2cm}} / 100$

d) $\frac{25}{100} = \underline{\hspace{2cm}}$

6. Compare and order

Circle the correct symbol (<, >, or =) for each pair. Then put all four numbers in order from smallest to largest on the line below.

a) $0.6 \underline{\hspace{1cm}} 0.60$

b) $\frac{3}{4} \underline{\hspace{1cm}} 0.7$

c) $0.25 \underline{\hspace{1cm}} \frac{1}{5}$

d) Order these four numbers from smallest to largest: 0.5, $\frac{3}{10}$, 0.75, $\frac{1}{4}$

Order: , , ,

Answer key

- 4 = C (tens), 5 = D (ones), 6 = B (tenths), 7 = A (hundredths)
- a) 16.15 b) 6.25 c) \$2.10 d) Estimate: about 5 or 6; Exact answer: 5.7
- a) $\frac{3}{9}$ b) $\frac{4}{10}$ c) $\frac{9}{12}$ d) $\frac{6}{10}$
- a) $\frac{3}{4}$ b) $\frac{2}{3}$ c) $\frac{1}{3}$ d) $\frac{3}{4}$
- a) 0.3 (given) b) 0.7 c) $\frac{45}{100}$ d) 0.25
- a) = b) > c) > d) $\frac{1}{4}$, $\frac{3}{10}$, 0.5, 0.75