

Fractions, decimals and percentages

Connect fractions, decimals and percentages.

Name: _____ Date: _____

1. Complete: $\frac{3}{5} = \frac{\quad}{20}$.

2. Calculate $\frac{2}{3} + \frac{1}{6}$.

3. Calculate $\frac{7}{10} - \frac{1}{5}$.

4. Write $\frac{11}{4}$ as a mixed number.

5. Calculate $\frac{2}{5} \times 3$.

6. Write 0.375 as a fraction with denominator 1,000.

7. Find 25% of 80.

8. Order from smallest to largest: 0.6; 55%; $\frac{1}{2}$.

Answers: Fractions, decimals and percentages

Try the questions first. Use these notes to check your thinking.

1. **12**

Multiply the numerator and denominator by 4.

2. **5/6**

$2/3 = 4/6$, then add $1/6$.

3. **1/2 or 5/10**

$1/5 = 2/10$, so $7/10 - 2/10 = 5/10$.

4. **2 3/4**

Two whole groups of four leave three quarters.

5. **6/5 or 1 1/5**

Three lots of $2/5$ make $6/5$.

6. **375/1,000**

There are 375 thousandths.

7. **20**

25% is one quarter; 80 divided by 4 = 20.

8. **1/2; 55%; 0.6**

They are 50%, 55% and 60%.

Original Trace Learn questions. Curriculum scope: maths programmes of study, Department for Education.
tracelearn.app/worksheets/year-5-fractions/

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