YEAR 7 • DECIMALS

Converting Fractions to Decimals

Use division to convert fractions and practise recognising equivalent values.

Name _____ **Date** _____

1 Convert using division

Divide the numerator by the denominator. Write the division and its decimal.

FRACTION	DIVISION	DECIMAL
$\frac{3}{4}$	_____	_____
$\frac{2}{5}$	_____	_____
$\frac{3}{8}$	_____	_____
$\frac{7}{20}$	_____	_____

2 Complete the equivalent statements

Fill each blank with a number or a decimal.

1. $\frac{1}{2} = \frac{____}{10}$
2. $\frac{3}{10} = \frac{____}{100}$
3. $\frac{9}{10} = \frac{____}{100}$
4. $\frac{1}{4} = \frac{____}{100}$
5. $0.25 = \frac{1}{____}$
6. $0.8 = \frac{____}{5}$
7. $0.125 = \frac{1}{____}$
8. $0.6 = \frac{3}{____}$

3 Match each fraction to a decimal

Write the letter of the matching decimal beside each fraction.

- ☐ $\frac{1}{5}$
- ☐ $\frac{3}{4}$
- ☐ $\frac{5}{8}$
- ☐ $\frac{7}{10}$

A 0.625 **B** 0.2 **C** 0.7 **D** 0.75

One equivalent pair I want to remember: _____ = _____