Equivalent Fractions and Decimals

1 Draw lines to join each decimal to its equivalent fraction.

0.07	$\frac{7}{1000}$
0.007	$\frac{7}{10}$
0.7	$\frac{7}{100}$

1 mark

2 Circle the fraction below that is equivalent to 0.011.

$\frac{11}{10}$ $\frac{11}{1000}$ $\frac{11}{100}$

1 mark

3 Fill in the boxes with >, < or = to make the number sentences correct.

$0.3 \square \frac{3}{100}$ $0.09 \square \frac{9}{1000}$

2 marks

4 Fill in the boxes below to show equivalent fractions and decimals.

$0.417 = \frac{\square}{\square}$ $\frac{39}{100} = \square$

$\frac{249}{1000} = \square$ $0.63 = \frac{\square}{\square}$

2 marks

Equivalent Fractions and Decimals

5 Look at the fraction $\frac{111}{200}$.

Find an equivalent fraction with a denominator of 1000.

$$\frac{111}{200} = \frac{\square}{1000}$$

1 mark

Use your answer to write $\frac{111}{200}$ as a decimal.

1 mark

6 Write $\frac{97}{500}$ as a decimal.

1 mark

7 Samira runs $\frac{8}{25}$ of a mile.

Write this fraction as a decimal.

1 mark

8 Convert the following fractions to decimals.

$\frac{1}{5} =$ ☐

$1\frac{7}{20} =$ ☐

$\frac{49}{50} =$ ☐

$\frac{7}{250} =$ ☐

2 marks

"I can convert decimals to fractions and fractions to decimals, including by dividing."