

Fractions to decimals (2)

1 Fractions can be expressed as divisions.

For example, $\frac{1}{2} = 1 \div 2$

Write the fractions as divisions.

a) $\frac{1}{3} = \square \div \square$

d) $\frac{\square}{\square} = 3 \div 5$

b) $\frac{2}{3} = \square \div \square$

e) $\frac{\square}{7} = 3 \div \square$

c) $\frac{4}{7} = \square \div \square$

f) $\frac{1}{10} = \square \div \square$

2 Use place value counters to find the decimal equivalent of $\frac{2}{5}$.
You can draw on the place value chart to help you with exchanging.

$\frac{2}{5} = 2 \div 5 = \square$

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<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div> <div style="border: 1px solid black; border-radius: 50%; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">1</div> </div>	



3 Fractions can be converted to decimals by using the short division method.

For example, $\frac{1}{8} = 1 \div 8$

		0	·	1	2	5			
	8		1	·	0	2	0	4	0

$\frac{1}{8} = 0.125$

Use the short division method to find the decimal equivalent of the fractions.

a)

			·			
	4		1	·	0	0

$\frac{1}{4} = \square$

b)

			·		
	5		4	·	0

$\frac{4}{5} = \square$

c)

			·		
	8		3	·	0

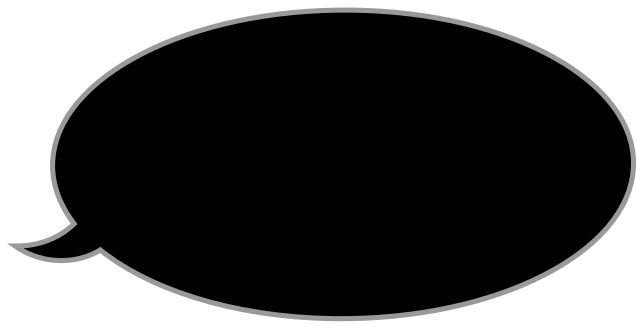
$\frac{3}{8} = \square$

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			0	.0	5	
	2	0	1	.0	¹⁰ 0	

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