Fractions to decimals (2)



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

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

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Fractions can be expressed as divisions.

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

Write the fractions as divisions.

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

d) 3 ÷ 5

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

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

- <u>0</u> 4 1 2 5
- 4|<u>-</u> 0.25
- <u>b</u> 5 0 4 0 0 0
- 4|2 0.8
- C
- $\frac{3}{8} = 0.375$



0.4



Use place value counters to find the decimal equivalent of $\frac{2}{5}$

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

f) $\frac{1}{10} = 1$ ÷ (0)

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

e)

3 = 3 ÷ 7

 $\frac{2}{5} = 2 \div 5 = 0.4$

Tenths

4 Find the decimal equivalents for these fractions.

a)
$$\frac{7}{8} = 0.875$$

8) 7.706040

c)
$$\frac{1}{16} = 0.0625$$

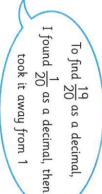
0.0625

b)
$$\frac{7}{5} = 1 \cdot 4$$

a)
$$\frac{9}{16} = 0.5625$$

$$0.5625$$
 $16) 9.900000$







2		
0		
	0	
0	0	
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$$1 - 0.05 = 0.95$$

 $\frac{19}{20} = 0.95$

Use Dora's method to find the decimal equivalent for $\frac{49}{50}$



1-0.02-0.98

8:0:8



I converted $\frac{1}{2}$ to a decimal and got the answer 2

Jack is incorrect.

Explain the mistake that Jack has made.

1-2 -0.5

9 Filip is thinking of a fraction.

When he converts it to a decimal, it is smaller than 0.5 but greater than 0.4 $\,$

What fraction could Filip be thinking of?

1/w = |15 回回 100 7/00

Are there any other possible answers? Talk to a partner.

Use the short division method to find the decimal equivalent of $\frac{1}{3}$

.1. 3/1.000

Compare answers with a partner.