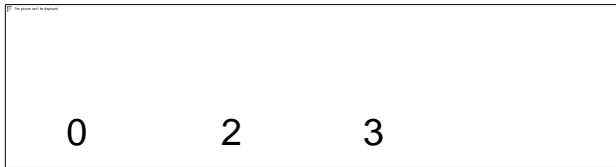
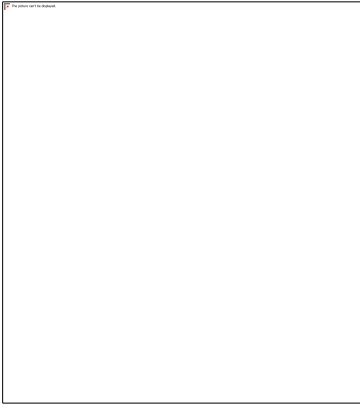


Block 5: Fraction, decimal and percentage equivalence

Question	Answers
1. How do you convert a fraction to a decimal?	Divide the numerator by the denominator
2. a) Convert 0.3 to a fraction	3 is in the tenths column so $0.3 = \frac{3}{10}$
b) Convert 0.35 to a fraction	There are 3 tenths and 5 hundredths so $0.35 = \frac{35}{100}$
3. a) Convert 0.3 to a percentage	$0.3 \times 100 = 30\%$
b) Convert 0.03 to a percentage	$0.03 \times 100 = 3\%$
4. a) Convert 45% to a decimal	$45 \div 100 = 0.45$
b) Convert 4% to a decimal	$4 \div 100 = 0.04$
5. a) Convert 17% to a fraction	$17\% = \frac{17}{100}$
b) Convert 5% to a fraction	$5\% = \frac{5}{100}$
6. a) Convert $\frac{9}{100}$ to a percentage	$\frac{9}{100} = 9\%$
b) Convert $\frac{9}{20}$ to a percentage	$\frac{9}{20} \begin{matrix} \times 5 \\ \times 5 \end{matrix} = \frac{45}{100} = 45\%$



Fraction	Decimal	Percentage
$\frac{23}{100}$	0.23	23%

Key word	Explanation
Equivalent	
Convert	
Tenth	
Hundredth	
Percentage	

Key equivalent fraction decimals and percentages

Fraction	Decimal	Percentage	Fraction	Decimal	Percentage
$\frac{1}{2}$	0.5	50%	$\frac{1}{5}$	0.2	20%
$\frac{1}{4}$	0.25	25%	$\frac{1}{10}$	0.1	10%
$\frac{1}{8}$	0.125	12.5%	$\frac{1}{100}$	0.01	1%

