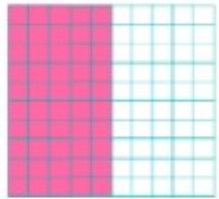


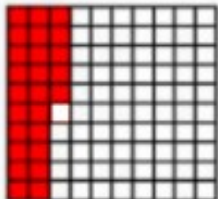
# Year 6 Percentages

<b>Key Vocabulary</b>
equivalence
convert
order
per cent %
percentage

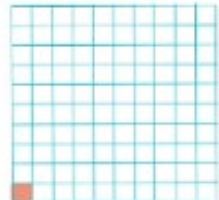
**Percentage and Decimal Equivalents**



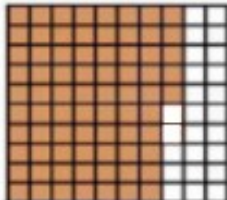
$50\% = \frac{5}{10} = \frac{50}{100} = 0.5$



$25\% = \frac{25}{100} = \frac{1}{4} = 0.25$



$1\% = \frac{1}{100} = 0.01$



$75\% = \frac{75}{100} = \frac{3}{4} = 0.75$

**Ordering Fractions, Decimals and Percentages**

$0.75 > 72\% > \frac{14}{20}$

$\frac{75}{100} = 75\%$

$\frac{72}{100} = 72\%$

$\frac{70}{100} = 70\%$

**Finding Percentages of Amounts**

20% of 140 = 28

To find percentages of amounts, you can also multiply the numbers by each other and divide by 100.

$140 \div 10 = 14$        $10\% = 14$

$14 \times 2 = 28$          $20\% = 28$

$36\% \text{ of } 450 = 162$

$16200 \div 162$

35% of 120 = 42

$120 \div 10 = 12$        $10\% = 12$

$12 \times 3 = 36$          $30\% = 36$

$12 \div 2 = 6$           $5\% = 6$

		1				
		4	5	0		
	x		3	6		
		2	7	0	0	
	+	1	3	5	0	0
		1	6	2	0	0
		1				

**Converting Fractions to Percentages**

$\times 4$

$$\frac{7}{25} \rightarrow \frac{28}{100} = 0.28 = 28\%$$

$\times 4$

$\div 2$

$$\frac{16}{200} \rightarrow \frac{8}{100} = 0.08 = 8\%$$

$\div 2$