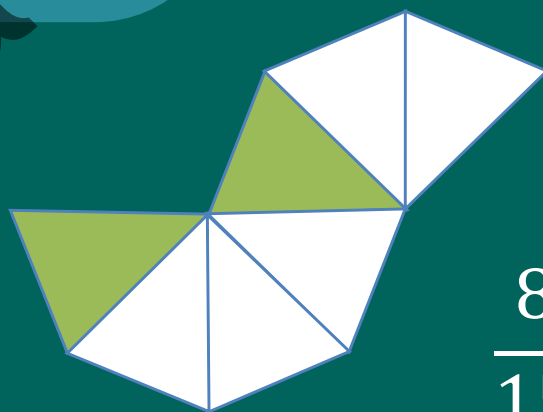
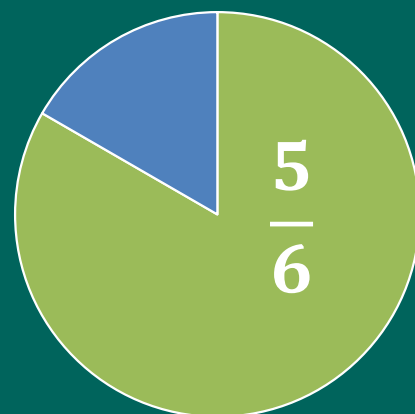


KS3, KS4

Fractions quizzes

LESSON
STARTERS



$$\frac{8}{15} \div \frac{2}{3} =$$

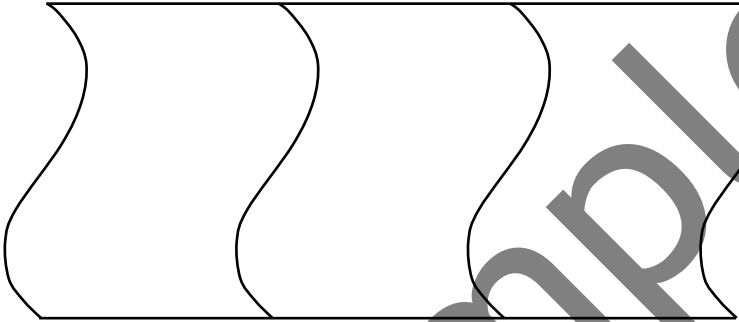
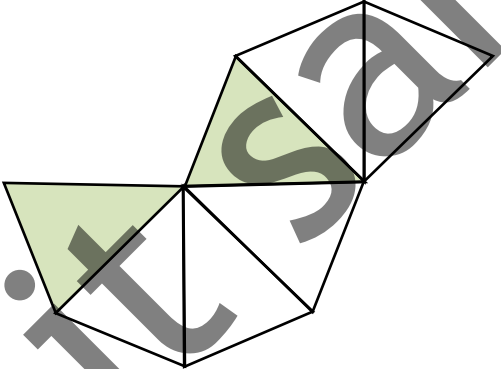
Fractions

Spaced retrieval practice quizzes

Teaching block	Subtopic	Quiz																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Shade a fraction or mixed number of a shape																			
	Say what fraction or mixed number is shaded																			
	Draw and shade a diagram of a fraction or mixed number based on a simple shape																			
2	Place a fraction on a number line																			
	Write a fraction representing a point on a number line																			
	Place a mixed number or improper fraction on a number line																			
	Write a mixed number or improper fraction representing a point on a number line																			
3	Decide if fractions are equivalent or not																			
	Find equivalent fractions																			
4	Simplify fractions																			
5	Decide if a fraction or mixed number is greater than or less than 1																			
	Compare and order fractions																			
6	Convert a mixed number to a fraction																			
	Convert a fraction to a mixed number																			
7	Order mixed numbers																			
8	Add/subtract fractions with like denominators																			
	Add/subtract fractions with unlike denominators																			
9	Find a fraction of an amount																			
10	Multiply a fraction by an integer without simplification																			
	Multiply a fraction by an integer with simplification																			
	Multiply fraction without simplification																			
	Multiply fraction with simplification																			
11	Divide fractions without simplification																			
	Divide fractions with simplification																			
	Divide a fraction by an integer																			
	Divide an integer by a fraction																			
	Find the reciprocal of an integer or fraction																			
12	Reverse fractions of amounts																			
13	Add/subtract mixed numbers with like denominators																			
	Add/subtract mixed numbers with unlike denominators																			
14	Multiply mixed numbers (including with integers and fractions)																			
15	Divide mixed numbers (including with integers and fractions)																			
16	Find a mixed number of an amount																			
17	Reverse mixed numbers of amounts																			
18	Simplify algebraic fractions by cancelling																			

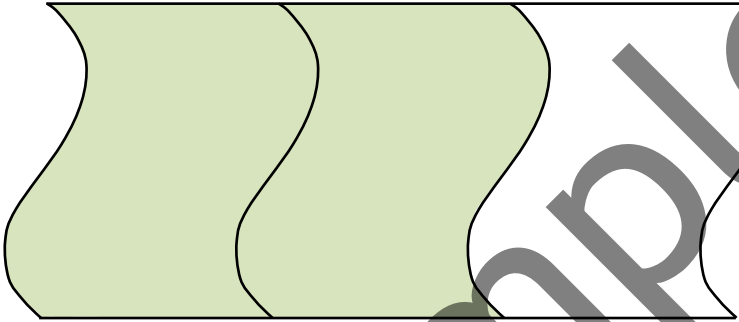
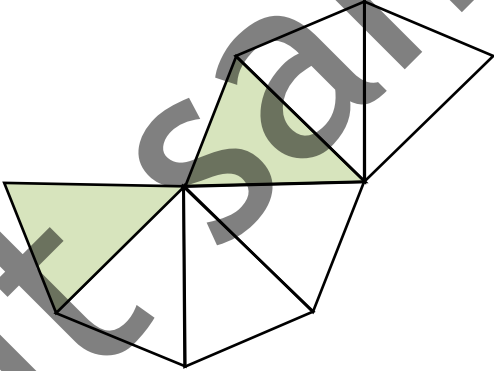
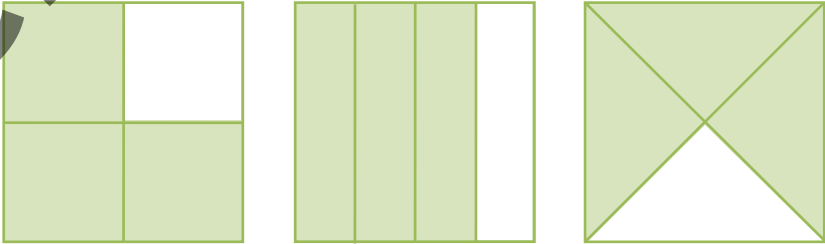
Quiz 1

4 marks per question

➤ Topic	? Question
Shade a fraction of a shape	Shade $\frac{2}{3}$. 
Say what fraction is shaded	
Draw and shade a diagram of a fraction based on a simple shape	Draw a square and shade $\frac{3}{4}$ of it.

Quiz 1 - answers

4 marks per question

➤ Topic	? Question
Shade a fraction of a shape	Shade $\frac{2}{3}$. 
Say what fraction is shaded	 $\frac{2}{7}$
Draw and shade a diagram of a fraction based on a simple shape	Draw a square and shade $\frac{3}{4}$ of it. 

Quiz 19

4 marks per question

➤ Topic Simplify fractions $\frac{165}{850} \equiv$	➤ Topic Add/subtract mixed numbers with like denominators $3\frac{6}{17} \times \frac{11}{17} =$
➤ Topic Add/subtract mixed numbers with unlike denominators $7\frac{4}{15} - 1\frac{7}{20} =$	➤ Topic Multiply mixed numbers (including with integers and fractions) $\frac{6}{13} \times \frac{12}{19} \times 2\frac{1}{6} =$
➤ Topic Divide mixed numbers (including with integers and fractions) $4\frac{1}{4} \div 2\frac{4}{5} =$	➤ Topic Find a mixed number of an amount Find the total mass of $5\frac{2}{3}$ bags of flour if each full bag has a mass of 250 g
➤ Topic Reverse mixed number of amounts $1\frac{2}{8}$ of x is 5. Find x	➤ Topic Simplify algebraic fractions by cancelling $\frac{15x^2y^3z}{25xy^4z} =$

Quiz 19 - answers

4 marks per question

➤ Topic Simplify fractions $\frac{165}{850} \equiv \frac{33}{170}$	➤ Topic Add/subtract mixed numbers with like denominators $3\frac{6}{17} \times \frac{11}{17} = \frac{627}{289} = 2\frac{49}{289}$
➤ Topic Add/subtract mixed numbers with unlike denominators $7\frac{4}{15} - 1\frac{7}{20} = \frac{71}{12} = 5\frac{11}{12}$	➤ Topic Multiply mixed numbers (including with integers and fractions) $\frac{6}{13} \times \frac{12}{19} \times 2\frac{1}{6} = \frac{12}{19}$
➤ Topic Divide mixed numbers (including with integers and fractions) $4\frac{1}{4} \div 2\frac{4}{5} = \frac{85}{56} = 1\frac{29}{56}$	➤ Topic Find a mixed number of an amount Find the total mass of $5\frac{2}{3}$ bags of flour if each full bag has a mass of 250 g 1360 g
➤ Topic Reverse mixed number of amounts $1\frac{2}{8}$ of x is 5. Find x $x = 4$	➤ Topic Simplify algebraic fractions by cancelling $\frac{15x^2y^3z}{25xy^4z} = \frac{3x}{5y}$