

Fractions, Decimals and Percentages 3-5

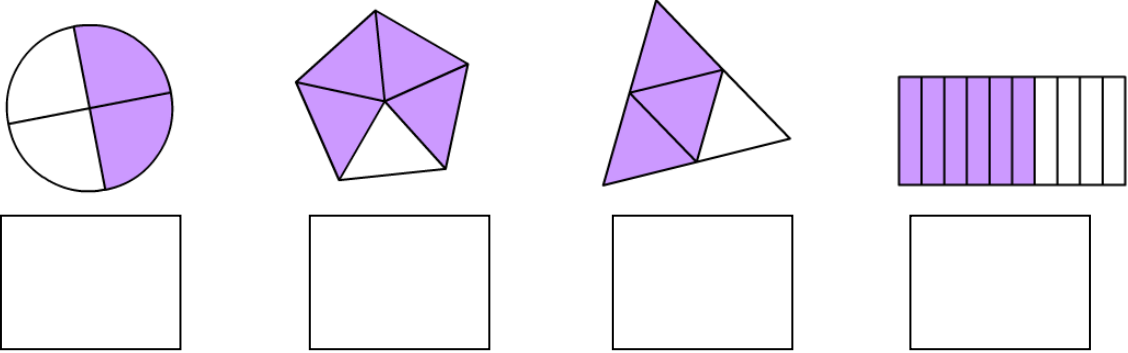


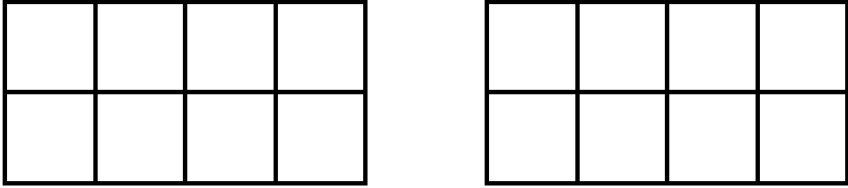
Name:..... Date:.....

Assessment criteria

My EOY target level:

Marks: Topic level:

PLC code	Q	I can...	Your marks	Total marks	level	☹ R	☺ A	☺ G
	1 2 3	Identify what fraction of a shape has been shaded Identify fraction of an amount. Identify equivalent fraction of half.		4 1 2	3			
	4	Use shading of a shape to prove equivalent fractions are equal.		2	4			
	5, 6	Know basic equivalent fractions, decimals & percentages.		10	4			
	7	Identify fractions on a number line.		4	4			
	8,9	Shade a given fraction/percentage of a shape.		2	4			
	10	Equivalent fractions.		2	5			
	11, 12	Convert fractions to decimals to percentages.		7	5			
	13	Write fraction in their simplest form.		2	5			
	14, 15	Convert between improper fractions to mixed numbers.		2	5			
	16	Find fraction of a given number.		2	5			
TOTAL								
	AAF:					☝ E B I	☝ E B I	☝ W W W

Q	Assessment	marks	level
1	<p>What fraction is shaded?</p>  <p><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	4	3
2	<p>Look at the mice below</p>  <p>Draw a <input type="text"/> around $\frac{1}{3}$ of the mice.</p>	1	3
3	<p>Draw a <input type="checkbox"/> tick next to the fractions that equal a half</p> 	2	3
4	<p>Shade your diagrams to show that $\frac{6}{8} = \frac{3}{4}$</p> 	2	4

5

Complete the table:

Fraction	decimal	percentage
		50%
	0.25	
$\frac{3}{4}$		
$\frac{1}{10}$		

4

2

2

2

2

6

Complete the sentences.

.....out of 10 is same as 90%

2 out of 4 is the same as %

4

1

1

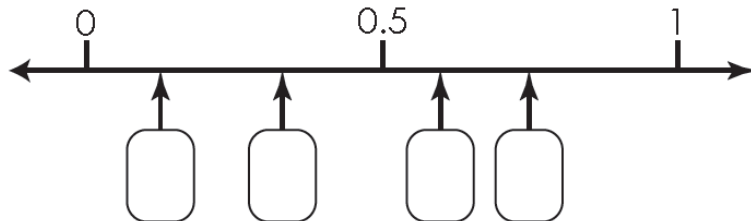
7

Here are four fractions.

$$\frac{1}{3} \quad \frac{1}{8} \quad \frac{6}{10} \quad \frac{3}{4}$$



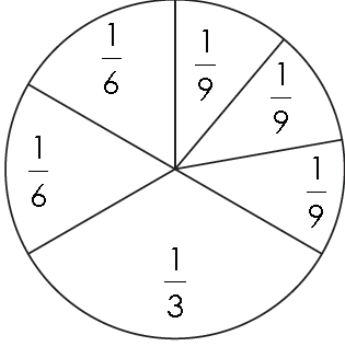
Look at the number line below.

Write each fraction in the correct box.



4

4

8	<p>What percentage of this rectangle is shaded?</p>  <p style="text-align: right;">_____ %</p>	1	4
9	<p>Shade in 50% of this rectangle.</p> 	1	4
10	<p>Look at the diagram</p>  <p>The diagram can help you work out some equivalent fractions. Fill in the boxes below.</p> <p>a $\frac{2}{3} = \frac{\square}{6}$ b $\frac{2}{3} = \frac{\square}{9}$</p>	2	5
11	<p>Fill in the boxes below. The first question is done for you.</p> <p>$\frac{2}{8}$ is equivalent to $\frac{\square}{4}$ which equals the decimal \square 0.25</p> <p>a $\frac{4}{5}$ is equivalent to $\frac{\square}{10}$ which equals the decimal \square</p> <p>b $\frac{6}{20}$ is equivalent to $\frac{\square}{10}$ which equals the decimal \square</p>	2	5

12	a) Write $\frac{1}{8}$ as a decimal. b) Write $\frac{1}{8}$ as a percentage.	3	5
13	Write $\frac{12}{21}$ in its simplest form .	2	5
14	Change $\frac{19}{4}$ to a mixed number fraction.	1	5
15	Change $2\frac{1}{3}$ to an improper fraction.	1	5
16	Find $\frac{2}{3}$ of 24.	2	5