

## Y5 Quick starts

1.  $\frac{1}{6}$  of 18 =
2.  $\frac{2}{6}$  of 18 =
3.  $\frac{3}{6}$  of 18 =
4.  $2967 + 345 =$
5.  $591 - 23 =$
6.  $7\frac{1}{6} + \frac{1}{6} =$
7.  $1\frac{5}{8} - \frac{3}{8} =$
8. 25% of 20 =
9. 25% of 60 =
10. 25% of 80 =

Fractions	Decimals	Percentages
$\frac{1}{10}$		
	0.2	
$\frac{1}{4}$		
		30%
$\frac{2}{5}$		
$\frac{1}{2}$	0.5	50%
		60%
	0.7	
		75%
$\frac{8}{10}$		
	0.9	
$\frac{1}{1}$		

10 Order the numbers below:

0.1 0.09999 0.2 1 0.01

### KS2 Problem Solving Questions

Friday 3<sup>rd</sup> March 2017

1 Complete

$$2\frac{\square}{6} = 3\frac{5}{6}$$

2 A bottle is a third full.



Mary puts 320ml of juice into the bottle.

The bottle is now full.



How much juice does the bottle hold when full?

3 Here is a rectangle.



A new shape is made up of three of these rectangles.



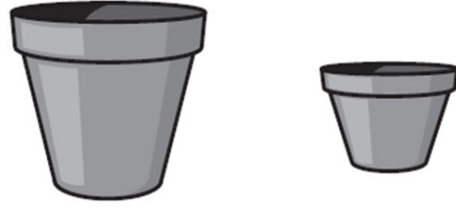
What is the perimeter of the new shape?

## Y5 Quick starts

1.  $1/6$  of 24 =
2.  $2/6$  of 24 =
3.  $3/6$  of 24 =
4.  $2867 + 395 =$
5.  $5871 - 29 =$
6.  $7 \frac{1}{6} + \frac{4}{6} =$
7.  $1 \frac{2}{8} - \frac{3}{8} =$
8. 75% of 20 =
9. 75% of 100 =
10. 75% of 60 =

Fractions	Decimals	Percentages
$1/10$		
	0.2	
$1/4$		
		30%
$2/5$		
$1/2$	0.5	50%
		60%
	0.7	
		75%
$8/10$		
	0.9	
$1/1$		

3 small plant pots cost £6



2 large plant pots **and** 6 small plant pots cost £21

What is the cost of 1 large plant pot?

10 Order the numbers below:

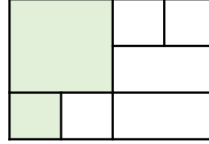
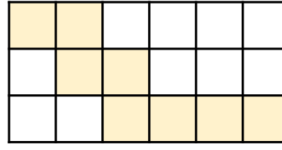
4 4.5 0.99999 0.1 0.0999 0.01

## Y5 Quick starts

1.  $\frac{1}{6}$  of 48 =
2.  $\frac{2}{6}$  of 48 =
3.  $\frac{3}{6}$  of 48 =
4.  $2.7 + 39 =$
5.  $5.8 - 2.9 =$
6.  $7 \frac{1}{5} + \frac{4}{5} =$
7.  $1 \frac{1}{8} - \frac{3}{8} =$
8. 75% of 40 =
9. 75% of 100 =
10. 75% of 160 =

Fractions	Decimals	Percentages
$\frac{1}{10}$		
	0.2	
$\frac{1}{4}$		
		30%
$\frac{2}{5}$		
$\frac{1}{2}$	0.5	50%
		60%
	0.7	
		75%
$\frac{8}{10}$		
	0.9	
$\frac{1}{1}$		

What fraction of each rectangle is shaded?



2 Work out the following fraction calculations.

(a)  $\frac{3}{6} + \frac{1}{2}$

(b)  $\frac{2}{5} + \frac{7}{15} + \frac{3}{5} + \frac{8}{15}$

(c)  $1 - \frac{1}{5} - \frac{3}{10}$

10 Order the numbers below:

- 4   4.5   0.99999   0.1   0.0999   0.01

## Y5 Quick starts

1.  $\frac{1}{6}$  of 120 =
2.  $\frac{2}{6}$  of 120 =
3.  $\frac{3}{6}$  of 1200 =
4.  $2869 + 95 =$
5.  $9871 - 623 =$
6.  $9 \frac{1}{6} + \frac{1}{6} =$
7.  $4 \frac{1}{8} - \frac{4}{8} =$
8. 25% of 40 =
9. 50% of 40 =
10. 75% of 40 =

Fractions	Decimals	Percentages
$\frac{1}{10}$		
	0.2	
$\frac{1}{4}$		
		30%
$\frac{2}{5}$		
$\frac{1}{2}$	0.5	50%
		60%
	0.7	
		75%
$\frac{8}{10}$		
	0.9	
$\frac{1}{1}$		

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### KS2 Problem Solving Questions

Friday 3<sup>rd</sup> March 2017

1 Complete

$$2 \frac{\square}{6} = 3 \frac{5}{6}$$

2 A bottle is a third full.



Mary puts 320ml of juice into the bottle.



The bottle is now full.  
How much juice does the bottle hold when full?

3 Here is a rectangle.



A new shape is made up of three of these rectangles.



What is the perimeter of the new shape?

10 Order the numbers below:

0.01    0.9    0.2    0.1    0.9999    0.09