Mathematics

Fractions
Lesson 3: finding equivalent fractions.

Independent Task

Miss Parsons

Question 1

As efficiently as possible, find the simplest form of each fraction.

Draw a factor bug if you need to for the numerator and denominator of the fraction and find the highest common multiple.

a) $\dfrac{12}{30}$

b) $\dfrac{9}{36}$

c) $\dfrac{7}{35}$

d) $\dfrac{14}{26}$

Question 2

Miss Parsons asked pupils in all year groups to complete a survey.

Here are the number of responses from the total number of pupils in each year group.

Can you find the fractions in their simplest form to find out which year group had the highest response rate?

Year group	Fraction of responses	Simplified fraction
3	$\dfrac{25}{30}$	
4	$\dfrac{33}{55}$	
5	$\dfrac{32}{48}$	
6	$\dfrac{45}{60}$	

Question 3

Find the value of a, b and c.

$$\frac{5}{a} = \frac{b}{c} = \frac{20}{60}$$

a + b = 16