








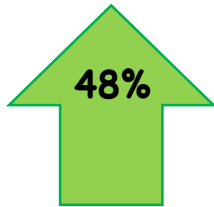
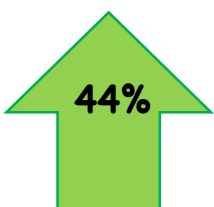


Percentage	I can ...	Prove it!
 <p>84%</p>	I can solve worded problems with fractions	<p>A small barrel of washing up liquid contains $11\frac{1}{2}$ litres.</p> <p>This is to be transferred to $\frac{3}{4}$ litre containers. How many containers will be needed?</p>
 <p>80%</p>	2.8 I can solve problems with fractions and all four operations	<p>A field is $17\frac{2}{5}$ hectares.</p> <p>The farmer ploughs $1\frac{1}{5}$ hectares a day of the field. How many days will it take him to plough the field?</p>
 <p>76%</p>	<p>2.6 I can add/subtract improper fractions</p> <p>2.7 I can add/subtract mixed numbers</p>	<p>A small field is $3\frac{1}{2}$ hectares. Sheep graze on $\frac{11}{14}$ of it.</p> <p>What area do the sheep graze on?</p> <p>What area do the sheep not graze on?</p>
 <p>72%</p>	<p>2.4 I can add fractions (unlike denominators)</p> <p>2.5 I can subtract fractions (unlike denominators)</p> <p>3.3 I can divide a fraction by an integer</p> <p>3.4 I can divide unit fractions</p>	<p>1) Find the sum of $\frac{1}{3}$ and $\frac{1}{5}$ What fraction remains?</p> <p>2) Find the difference between $\frac{5}{12}$ and $\frac{2}{3}$</p> <p>3) $\frac{7}{8} \div 2$</p> <p>4) $\frac{1}{9} \div \frac{1}{5}$</p>
 <p>68%</p>	<p>1.8 I can use indices to record repeated multiplication</p> <p>3.2 I can multiply two fractions</p>	<p>1) Write $3 \times 3 \times 3 \times 3$ using indices</p> <p>2) Which of these numbers are not square numbers: $2^4, 2^5, 2^6, 2^7, 2^8$</p> <p>3) $\frac{4}{7} \times \frac{10}{11}$</p>
 <p>64%</p>	<p>1.5 I can find the HCF of two integers</p> <p>1.6 I can find the LCM of two integers</p> <p>3.1 I can multiply a fraction by an integer</p>	<p>1) Find the highest common factor of 40 and 100</p> <p>2) State the lowest common multiple of 30 and 35</p> <p>3) Use prime factor decomposition to find the LCM of 18 and 21</p> <p>4) $\frac{8}{11} \times 3$</p>



Percentage	I can ...	Prove it!
 <p>60%</p>	<p>1.7 I can find squares, square roots, cubes and cube roots</p>	<p><i>12, 16, 99, 27, 3, 4, 8, 7</i></p> <p>From the numbers above select:</p> <ol style="list-style-type: none"> 1) A square number 2) The square root of 49 3) Two cube numbers 4) The cube root of 27
 <p>56%</p>	<p>1.4 I can use prime factor decomposition to find the prime factors of a number</p>	<ol style="list-style-type: none"> 1) Write 84 as a product of its prime factors 2) Write 72 as a product of its prime factors 3) Can 45 be written as a product of its prime factors using only the numbers 3 and 5?
 <p>52%</p>	<p>2.3 I can add/subtract fractions (like denominators)</p>	<ol style="list-style-type: none"> 1) Find the sum of $\frac{5}{12}$ and $\frac{3}{12}$ 2) $\frac{1}{8} + \frac{1}{8} = \frac{2}{16}$ Is this correct?
 <p>48%</p>	<p>2.2 I can convert improper fractions to mixed numbers</p>	<ol style="list-style-type: none"> 1) Convert $5\frac{1}{2}$ to an improper fraction 2) Write $\frac{34}{7}$ as a mixed number 3) There are 6 pencils in a box. If I buy 27 pencils, how many boxes do I have as a mixed number?
 <p>44%</p>	<p>2.1 I can find equivalent fractions</p>	<p>Give a fraction which is equivalent to:</p> <ol style="list-style-type: none"> 1) $\frac{2}{7}$ 2) $\frac{1}{9}$



Percentage	I can ...	Prove it!
	<p>1.1 I can find the factors of number up to 144</p> <p>1.2 I can identify prime numbers and their properties</p> <p>1.3 I can find the first 20 multiples of numbers up to 25</p>	<p><i>15, 7, 11, 21, 8, 80, 100, 49</i></p> <p>From the numbers above select:</p> <ol style="list-style-type: none"> 1) Two factors of 10 2) A prime number 3) Two multiples of 3

Key Words:

Multiple

Factor

Prime number

Prime Factor Decomposition

Highest Common Factor

Lowest Common Multiple

Square number

Square root

Cube number

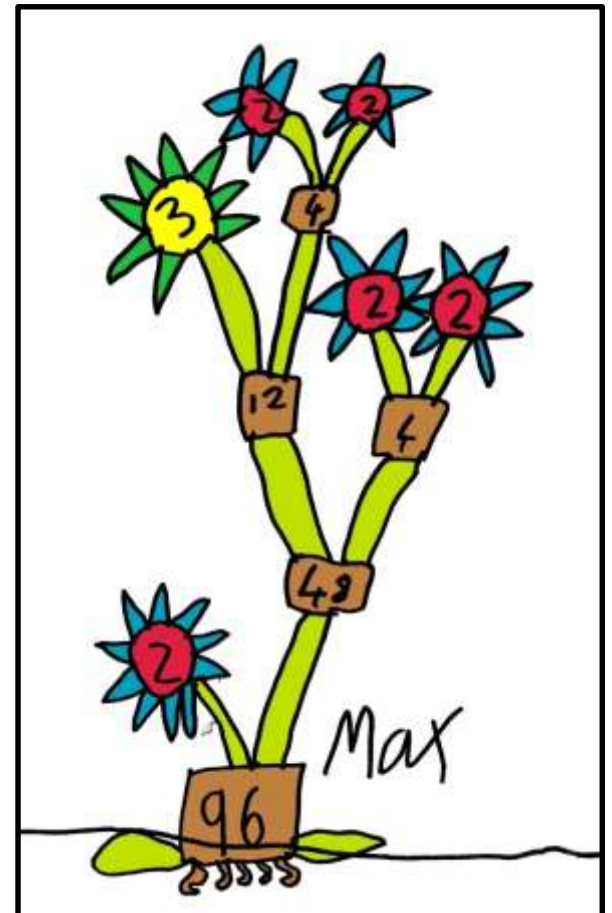
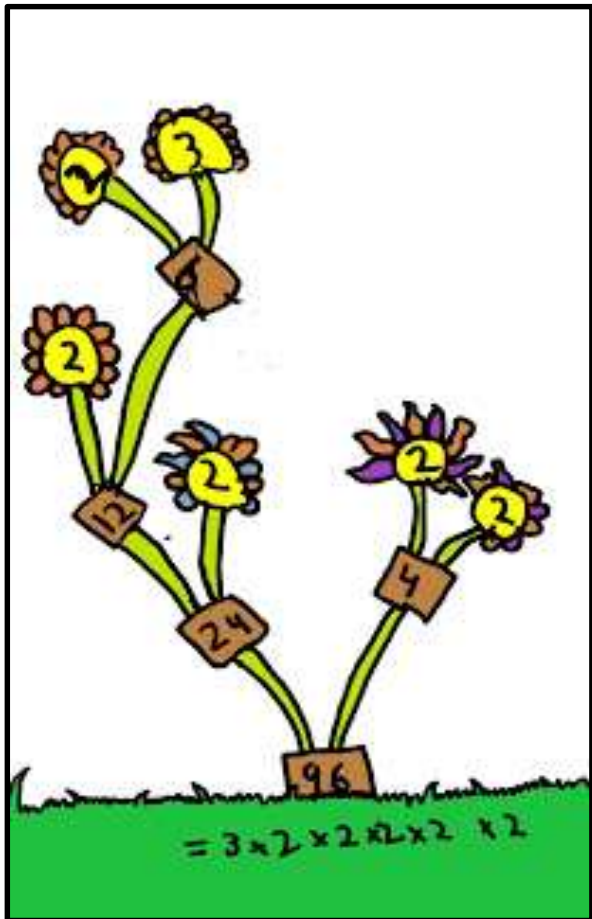
Cube root

Indices

Equivalent fraction

Improper fraction

Mixed number



Maths

Autumn 1

Learning Ladder

Year 8

My Target: _____

