



Multiplication



Progression	Concrete	Pictorial	Abstract	Application
Pictorial representations			$3 \times 5 = 15$	<p>I have three bags with 5 apples in each. How many apples do I have altogether?</p> <p>There are 10 people at a party. Each of them ate 3 cakes. How many cakes were eaten altogether?</p>
Arrays			$3 \times 5 = 15$	<p>There are 4 children in the room. How many eyes are there altogether?</p> <p>We need 3 rows of 5 chairs for our assembly. How many chairs do we need in total?</p>
Repeated addition			$3 \times 5 = 15$	<p>A farmer has 3 fields, there are 5 cows in each field. What is the total number of cows?</p> <p>$3 \times 5 = 5 + 5 + 5$</p> <p>$4 \times 6 = _ + _ + _ + _$</p>
Grid Method			$\begin{array}{r} 30 \\ 5 \\ \hline 110 \end{array}$ $278 \times 4 =$ $\begin{array}{r} 200 \quad 70 \quad 8 \\ 4 \overline{) 800 \quad 280 \quad 32} \end{array}$	<p>Helen has 4 bags with 22 apples in each. How many apples does she have altogether?</p> <p>Which pairs of numbers could go in these spaces?</p> <p>$_ \times _ = 60$</p>
Short Multiplication				<p>Five children have been saving their pocket money. They each save £3.45. How much money have they saved altogether?</p> <p>A van is carrying 7 parcels, each weighing 452kg. How much do the parcels weigh altogether?</p>
Long Multiplication				<p>There are 26 children in the class, each of them pays 55p to wear their non-uniform. How much money is raised altogether?</p> <p>The length of the swimming pool is 67m and the width is 45m. What is the area of the swimming pool?</p> <p>Chris planted 373 bulbs. The packet says that each flower should have 12 petals. How many petals will there be altogether?</p>