



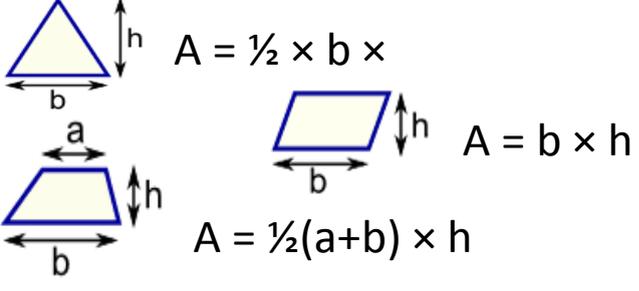
Maths Passport Examples - South America

Brazil

I can read and write numbers up to 10 000 000	e.g. 8 465 712 = 'eight million, four hundred and sixty five thousand, seven hundred and twelve.
I know the order that operations must be done in	BODMAS - B rackets, O rders (powers and square roots etc), D ivision & M ultiplication, A ddition & S ubtraction. Divide and multiply rank equally (go left to right). Add and subtract rank equally (go left to right).
I know what a prime number is and can find them up to 100	e.g. a prime number is a number only divisible by itself and 1 2,3,5,7,11,13,17,19, 23, 29, 31, 37, 41, 43, 47,53, 59, 61, 67, 71, 73, 79, 83, 89, 91, 93, 97
I can convert between miles and kilometres	1 mile=1.6 kilometres
I know equivalences between simple fractions, decimals and percentages	e.g. $\frac{1}{2} = 0.5 = 50\%$, $\frac{1}{4} = 0.25 = 25\%$, $\frac{3}{4} = 0.75 = 75\%$, $\frac{1}{5} = 0.2 = 20\%$
I can find percentages of a number without using a calculator	e.g. 15% of £120, 75% of £160
I can add and subtract fractions by finding a common denominator	<p>the original fractions: $\frac{1}{3} + \frac{1}{2}$</p> <p>with a common denominator: $\frac{2}{6} + \frac{3}{6}$</p> <p>result: $\frac{5}{6}$</p>
I can multiply a fraction by an integer (whole number)	<p>$\frac{1}{4} \times 5 = \frac{5}{4}$</p>

Peru:

I can name parts of a circle and tell you about them	<p>Radius = distance from the centre to the outside; Diameter= the distance across the circle going exactly through the centre; Circumference = distance around the outside of the circle.</p> <p>I know that diameter is twice the radius.</p>
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<p>I know the formula for the circumference and area of a circle</p>	<p>$C = 2\pi r$ or πd where $\pi=3.14$, r=radius and d=diameter</p> <p>$A = \pi r^2$</p>
<p>I know the value of the internal angles of regular 2D shapes: triangles, squares, pentagon, hexagon & octagon.</p>	<p>Triangle = 180 degrees Square = 360 degrees Pentagon = 540 degrees Hexagon = 720 degrees Octagon = 1080 degrees</p>
<p>I can calculate the area of a triangle, parallelogram and trapezium.</p>	 <p>The diagram shows three shapes with their respective area formulas:</p> <ul style="list-style-type: none"> A triangle with base b and height h. The formula is $A = \frac{1}{2} \times b \times h$. A parallelogram with base b and height h. The formula is $A = b \times h$. A trapezium with parallel sides a and b, and height h. The formula is $A = \frac{1}{2}(a+b) \times h$.