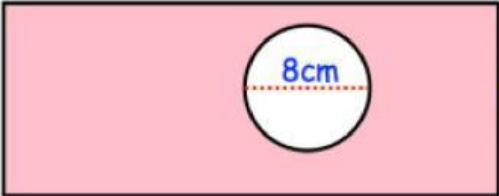


## CONSOLIDATE PRACTICE SHEET IV

<p style="text-align: right; margin-bottom: 0;">Not drawn to scale</p> <div style="text-align: center; margin-bottom: 10px;"> <span style="color: blue; font-weight: bold;">20cm</span> </div> 	<p>Calculate the shaded area</p>
--	----------------------------------

<p>Complete this table for the graph</p> <p><math>y = x^2 + 1</math></p>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="border: none;"><math>x</math></td> <td style="border: none;">-2</td> <td style="border: none;">-1</td> <td style="border: none;">0</td> <td style="border: none;">1</td> <td style="border: none;">2</td> </tr> <tr> <td style="border: none;"><math>y</math></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> </tr> </table>	$x$	-2	-1	0	1	2	$y$					
$x$	-2	-1	0	1	2								
$y$													

A bicycle wheel has diameter 80cm. The bicycle travels 50m.

How many complete revolutions does the wheel make?

Mr James gives £500 to his children Niko, Ronny and Isla in the ratio 2:3:5.

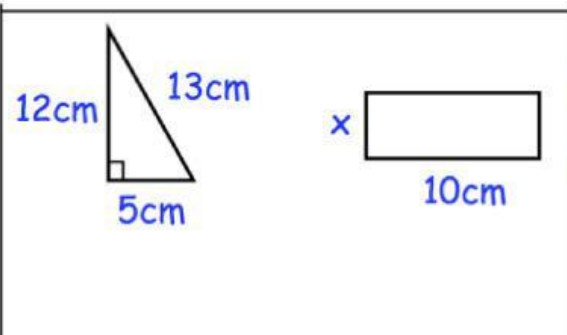
How much do they each receive?

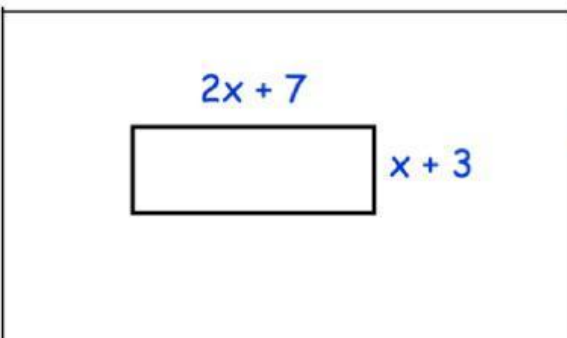
Write down the equation of the line that is parallel to  $y = 6x + 1$  and passes through (0, 8).

Fraction	Decimal	Percentage
$\frac{7}{100}$	0.07	
	0.35	35%
$\frac{3}{5}$		60%

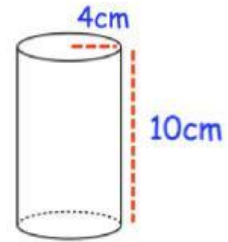
<p>Adults    £4 each Children   £3 each</p> <p>A group of adults and children goes to the fair.</p> <p>The total cost is £32</p>	<p>Give a possible number of adults and children.</p>
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<p>£1 = \$1.5 dollars</p> <p>Convert £20 into dollars</p>	<p>Convert \$450 into pounds</p>
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	<p>The area of the triangle and the rectangle are equal.</p> <p>Find x.</p>
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	<p>The perimeter of the rectangle is 53cm</p> <p>Find x</p>
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Calculate the volume of this cylinder.



If  $2x + 4y = 18$

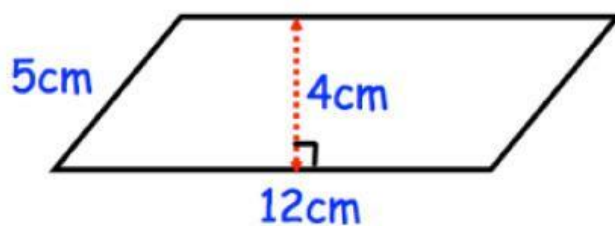
What is the value of  $4x + 8y$ ?

What is the value of  $x + 2y$ ?

Tomos earns £1300 a month.

He spends 30% of this money on rent and 12% on bills.

How much of the £1300 has he left?



Calculate the area of this parallelogram.