

**Nadroga Sangam School**

**Year 8**

**Mathematics**

**Worksheet 2 2021**

<p>1. In a survey, there are 3,500 people that watch a favourite TV program. <math>\frac{2}{5}</math> of the viewers are males. (a) Calculate the number of male viewers.</p>	<p>(b) What is the number of female viewers?</p>														
<p>(c) How many more female viewers are there than males?</p>	<p>d) What percentage of the viewers are females?</p>														
<p>2. The table shows the input (i) and output (r) of a number machine.</p> <table border="1" data-bbox="332 1075 597 1346"><tr><td>i</td><td>r</td></tr><tr><td>1</td><td>4</td></tr><tr><td>3</td><td>W</td></tr><tr><td>5</td><td>12</td></tr><tr><td>X</td><td>20</td></tr><tr><td>11</td><td>24</td></tr><tr><td>15</td><td>Y</td></tr></table> <p>a) Find the value of: w _____ x _____ y _____ b) Write a rule for the number machine.</p>	i	r	1	4	3	W	5	12	X	20	11	24	15	Y	<p>3. Freddy is m years old. His father is 3 times older than him. a) If his father is 36 years old, write an equation to show this. b) Solve the equation to find Freddy's age. (2mks)</p>
i	r														
1	4														
3	W														
5	12														
X	20														
11	24														
15	Y														
<p>4. (a) Find the M{3} _____ (b) Find the M{6} _____ (c) Find M{3}n M{6} _____ (d) LCM of 3 and 6= _____</p>	<p>5. In 2013, there were 2000 students at Eton High School. In 2014, there was an increase of 15%. How many students attended the school in 2014?</p>														