



Year 5 Learning Grid – 6th July 2020

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<p>Measure</p> <p>a) Which is the heaviest sack of potatoes? 900kg 990 000g 909kg 9.9kg</p> <p>b) Write these capacities in descending order. 1.80 litres 880ml 8 litres 80ml 8800 ml 0.8 litres</p> <p>c) The perimeter of the rectangular shaped Whitehill Park is 80m. What could the dimensions of the park be?</p> <p>d) Calculate the area of the rectangles.</p> <p>8cm </p> <p>11cm </p> <p>Thinking Draw a rectangle with an area of 12cm²</p> <p>Explaining What could the dimensions be of a rectangle with an area of 20m²</p> <p>Solving Write < or > to make this time statement correct a) 300 seconds <input type="text"/> 4½</p>	<p>Geometry - Properties of Shape Sketch an example of each polygon as it is in its regular and its irregular form. Angle sizes do not need to be exact.</p> <table border="1"> <thead> <tr> <th>Polygon</th> <th>Regular</th> <th>Irregular</th> </tr> </thead> <tbody> <tr> <td>Triangle</td> <td></td> <td></td> </tr> <tr> <td>Quadrilateral</td> <td></td> <td></td> </tr> <tr> <td>Pentagon</td> <td></td> <td></td> </tr> <tr> <td>Hexagon</td> <td></td> <td></td> </tr> </tbody> </table> <p>Thinking How many isosceles triangles are needed to make an octagon?</p> <p>Explaining Circle True or False for each statement a) Rectangles are 3-D Shapes <input checked="" type="checkbox"/> T/F b) A rectangle is an oblong <input checked="" type="checkbox"/> T/F c) A rectangle is a quadrilateral <input checked="" type="checkbox"/> T/F</p> <p>Solving How many degrees does the minute hand rotate through in 60 minutes?</p>	Polygon	Regular	Irregular	Triangle			Quadrilateral			Pentagon			Hexagon			<p>Position and direction</p> <p>a) What is the co-ordinate of the point midway between (2,4) and (2,10)? b) What is the co-ordinate of the point midway between (4,5) and (10,11)? c) Plot these co-ordinates on the grid below. (3,5) (4,9) (5,5) (6,9)</p> <p></p> <p>Thinking Fill in the missing co-ordinates so that each set will make a rectangle a) (2,2) (7,4) (7,2) (_____, _____) b) (6,5) (6,1) (4,1) (_____, _____)</p>	<p>Statistics Below is a table showing the number of house points that each house in St Henry's School have been awarded each year.</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Red House</th> <th>Blue House</th> <th>Yellow House</th> <th>Green House</th> </tr> </thead> <tbody> <tr> <td>2010</td> <td>89</td> <td>96</td> <td>103</td> <td>101</td> </tr> <tr> <td>2011</td> <td>102</td> <td>100</td> <td>110</td> <td>106</td> </tr> <tr> <td>2012</td> <td>106</td> <td>101</td> <td>115</td> <td>122</td> </tr> <tr> <td>2013</td> <td>120</td> <td>121</td> <td>98</td> <td>98</td> </tr> <tr> <td>2014</td> <td>119</td> <td>119</td> <td>119</td> <td>99</td> </tr> <tr> <td>2015</td> <td>101</td> <td>101</td> <td>89</td> <td>95</td> </tr> <tr> <td>2016</td> <td>92</td> <td>107</td> <td>113</td> <td>124</td> </tr> </tbody> </table> <p>a) Which house has performed the best overall? b) How many points separate the highest and lowest performing houses? c) In which year was the total for all four houses altogether the highest?</p> <p>Solving The buses on this timetable all take the same time to travel the route. Complete the table.</p> <table border="1"> <tbody> <tr> <td>Mill Road</td> <td>0726</td> <td></td> <td>0842</td> </tr> <tr> <td>High St</td> <td>0729</td> <td>0803</td> <td></td> </tr> <tr> <td>Southey Green</td> <td></td> <td>0816</td> <td>0858</td> </tr> <tr> <td>Pitsmoor Road</td> <td>0759</td> <td>0833</td> <td></td> </tr> <tr> <td>Snig Hill</td> <td>0812</td> <td></td> <td>0928</td> </tr> <tr> <td>Hunters Bar</td> <td></td> <td>0904</td> <td>0946</td> </tr> <tr> <td>Fulwood</td> <td>0845</td> <td>0919</td> <td></td> </tr> </tbody> </table>	Year	Red House	Blue House	Yellow House	Green House	2010	89	96	103	101	2011	102	100	110	106	2012	106	101	115	122	2013	120	121	98	98	2014	119	119	119	99	2015	101	101	89	95	2016	92	107	113	124	Mill Road	0726		0842	High St	0729	0803		Southey Green		0816	0858	Pitsmoor Road	0759	0833		Snig Hill	0812		0928	Hunters Bar		0904	0946	Fulwood	0845	0919	
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Year 5 Learning Grid – 6th July 2020**Mixed Questions**

- a) Work out $0.7 \times 0.8 =$
 b) Write the Roman numerals xxxvii in figures
 c) Which of these fractions is equivalent to a half? $\frac{1}{3}$ $\frac{2}{5}$ $\frac{3}{6}$ $\frac{4}{9}$ $\frac{5}{8}$
 d) $42 \div 6$
 e) Write down the number eighteen thousand and twenty-seven
 f) Write down two numbers with a sum of 9 and a difference of 1

- g) How many vertices in a triangular pyramid?



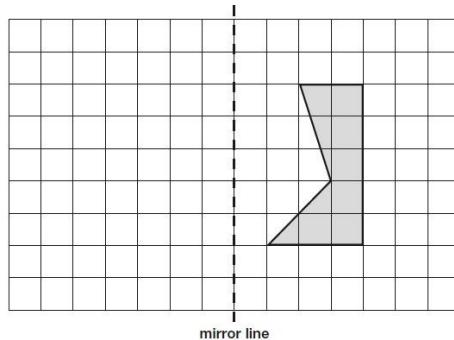
- h) Write down all the factors of 15
-
-
-
-

- i) Add together $6\frac{1}{5}$, 5 and $3\frac{1}{2}$
 j) I have £10, I spend £2.70. How much do I have left?
 k) Circle the **prime** number.

95 89 87

Explain how you know the other numbers are **not** prime.

- l) Here is a shaded shape on a square grid. Reflect the shape in the mirror line. Use a ruler.



- m) What is the value of $x + 7$ when $x = 3$?
 n) What is $a \frac{1}{3}$ of 21?
 o) A plane journey takes $6\frac{1}{2}$ hours. If I set off at 8.40am, what time will I arrive?
 p) A pen costs £4.60. How much will 2 pens cost?
 q) A piece of rope measuring 4cm is cut into 8 equal lengths. How long will each piece be?
 r) The numbers in this sequence **increase** by 45 each time. Write the missing numbers.

	155	200	245		
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- s) Complete the table.

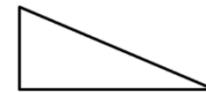
Round 39,476	
to the nearest 10,000	
to the nearest 1,000	
to the nearest 100	

t) = $8,275 + 82$

u) $7 - 2.25 =$

v) $3^3 =$

w) How many acute angles?



x) Add together $\frac{2}{10}$, $\frac{3}{10}$, and $\frac{4}{10}$

y) Round 3.48 to the nearest whole number

z) In a class, $\frac{2}{5}$ of the children are boys. What fraction are girls?