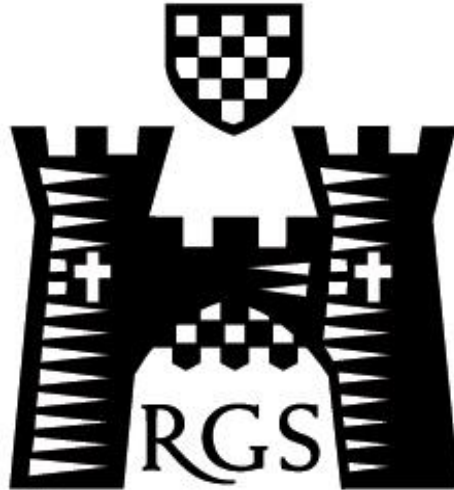


Reigate Grammar School



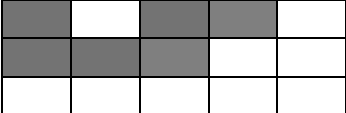
13+ Entrance Examination November 2015

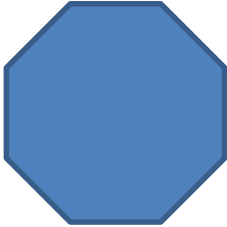
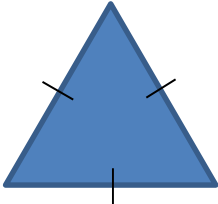
MATHEMATICS

Time allowed: 20 minutes

NAME.....

- Work through the paper carefully
- **You do not have to finish everything**
- Do not spend too much time on any single question
- Show any working in the spaces provided
- Use the blank left hand pages for rough work
- You may not use a calculator

<p>Which of these three is the largest and which is the smallest?</p> <p>35% 0.42 $\frac{2}{5}$</p> <p>Largest =</p> <p>Smallest =</p>	<p>What is 10% of £90?</p> <p>What is 30% of £90?</p> <p>What is 5% of £90?</p> <p>Use your answers to find 35% of £90</p>	<p>Find one sixth of 540</p> <p>Use your answer to find five sixths of 540</p>	<p>DO NOT WRITE IN THIS BOX</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>Add together</p> <p>$\frac{1}{4}$ of 60</p> <p>$\frac{3}{5}$ of 25</p> <p>and $\frac{1}{2}$ of 11</p>	<p>Joubert is 15 years old.</p> <p>Norbert is four times as old as Joubert.</p> <p>Egbert is $\frac{1}{3}$ of Norbert's age.</p> <p>What is their total age?</p>	<p>Write down a percentage between 0.7 and 0.8</p> <p>Write down a fraction between 90% and 95%</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>
<p>What are the next two numbers in each of these series</p> <p>3, 9, 27, 81,</p> <p>and</p> <p>1, 2, 3, 5, 8, 13,.....</p> <p>and</p>	<p>Put these decimals in order, starting with the largest.</p> <p>0.6, 0.508, 0.09</p>	 <p>What fraction of this flag is shaded?</p> <p>How many more rectangles need to be shaded to fill $\frac{2}{3}$ of the flag?</p>	<p>2</p> <p>2</p> <p>1</p> <p>1</p> <p>1</p>

<p>Work out</p> $\frac{1}{4} + \frac{3}{20}$	<p>Work out</p> $\frac{19}{21} - \frac{4}{7}$	<p>Add together the following, giving your answer as a DECIMAL</p> <p>20%, 1.47 and $\frac{3}{5}$</p>	<p>DO NOT WRITE IN THIS BOX</p> <p>1 1 1 1 1 1 1</p>
<p>What is the biggest number that divides exactly into 39, 91 and 52?</p>	<p>What is the smallest number that 4, 6, and 7 all divide into?</p>	<p>Find two numbers that have a difference of 7 and add up to 35</p>	<p>1 1 1</p>
<p>What is 0.3 written as a fraction?</p> <p>What is 0.03 written as a fraction?</p> <p>What is 0.33 written as a fraction?</p>	<p>What is $\frac{1}{8}$ written as a decimal?</p> <p>What is $\frac{1}{800}$ written as a decimal?</p> <p>What is $\frac{3}{800}$ written as a decimal?</p>	<p>Name the shapes below</p>  	<p>1 1 1 1 1 1 1 1</p>

