## Master Maths 7 Worksheet 72 Probability 2



<u>Name:</u>	
<b>1.</b> Rate the probability, as a <i>decimal</i> , of the following events occurring.	4. Stan wanted to find out how long it would take him to ride his bicycle to school.
(a) The temperature will be above 30° in Darwin tomorrow.	He recorded the times, to the nearest minute, for twenty trips to school. These are shown below.
(b) Christmas will be in December this year.	27 22 18 16 20 23 22 19 28 20 28 24 19 23 25 18 21 25 18 22
(c) If you threw a dart at a dart board you scored a 'bulls-eye'.	Give the following probabilities as <i>decimals</i> .  Based on these figures:
(d) If you threw a dart at a dart board you hit the board.	(a) what is the probability it takes Stan less than 20 minutes to ride to school?
(e) You wake up before 6 o'clock tomorrow morning.	
(f) In a class of 20 students at least one student wears spectacles.	(b) what is the probability it takes Stan more than 20 minutes to ride to school?
2. A letter is chosen at random from the word STATISTICS.  Give the following probabilities as a fraction, in its simplest form, decimal and percentage.  (a) Find the probability the letter is A.  fraction decimal percentage	5. Samantha is a tennis player and in one match she had 60 serves of which 15 were aces.  (a) Based on these figures, what is the probability Samantha will serve an ace? Give answer as a <i>percentage</i> .
(b) Find the probability the letter is <b>I</b> .	
fraction decimal percentage  (c) Find the probability the letter is <b>S</b> or <b>T</b> .	Anna also plays tennis. While practising with a friend she had 20 serves and hit eight aces. (b) Based on these figures, what is the probability Anna will serve an ace? Give answer as a <i>percentage</i> .
fraction decimal percentage	
3. A night of the week is randomly chosen for a meeting. Give the following probability as a fraction.  What is the probability the night is on the weekend?	(c) For which player is the probability more accurate and why?