



6 Tim put 20 marbles in a bag. What is the chance of pulling each of these marbles out of the bag? Write your answer as a fraction.

a A red marble $\frac{5}{20}$

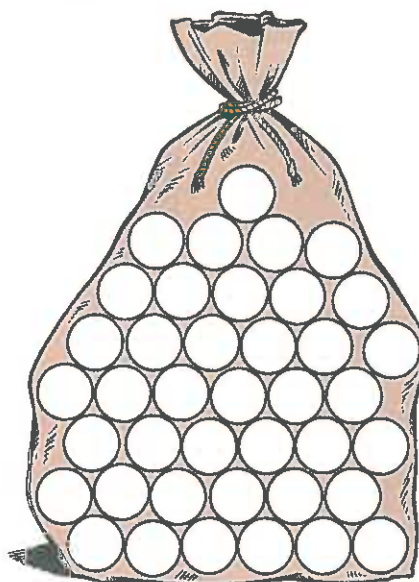
b A green marble _____

c A yellow marble _____

d A pink marble _____

e An orange marble _____

f A blue marble _____



Mr Moore, the 6M teacher, gave his children a box of coloured counters and an empty bag. He told the children to put 40 counters in the bag and that each colour had to represent a given percentage (10% = 4 counters). These are the percentages he gave them.

Red 20% Blue 30% Green 20% Yellow 10%
 Pink 5% Orange 15% Maroon 0%

7 Colour each counter to show how many of each colour is in the bag.

8 Write a statement comparing the chance of pulling a red counter out of the bag to pulling a blue one out of the bag.

9 Write simple statements to describe the chance of these things happening. You may use fractions, percentages, decimals or descriptive terms like the ones in the box below.

even chance	fifty-fifty	unlikely	likely	impossible	certain	one in two
$\frac{1}{10}$	$\frac{1}{4}$	50%	0.7	less likely	more likely	one in four
						100%

- a** A rolled dice landing on the number 4.
- b** Three dice rolled and each landing on the number 6.
- c** A baby being born male.
- d** A spinner of 100 numbers landing on 3.
- e** The Sydney Swans winning the premiership.
- f** Your class never having to do homework.
- g** The next person entering the room having blue eyes.
- h** A dice landing on a multiple of 3.
