6 In a group of 25 students, 18 study Biology a student is chosen at random, what is the	y, 12 study Chemistry and 5 study neither Biology nor Chemistry. If probability that the student studies:
(a) Biology only	(b) Chemistry only
(c) Biology or Chemistry or both	(d) both Biology and Chemistry?
10 Trinh and Oscar play three tennis mate probability that Trinh:	ches. Trinh's chance of winning any one match is $\frac{2}{3}$. What is the
(a) wins all three matches(c) wins the first and third but loses t	(b) loses all three matches he second (d) loses the first and wins the other two?
11 A man finds that he is late for work on 10	0% of occasions if he was on time the previous day, but late on 20% of
	Given that he was on time on Monday and worked on Tuesday, what
12 A certain factory has three machines <i>A</i> ,	B and C, which manufacture 25%, 35% and 40% respectively of the
machines is selected at random. What is	
(a) it was manufactured by A and is def	fective (b) it was manufactured by <i>B</i> and is not defective?
1 1	n favour to those against a particular proposal was 7 to 3. If three
	red about the proposal, what is the probability that: o) the majority will be in favour the proposal?

23	23 It is known that 7 out of 10 students from a certain school will go on to university. If a group of 3 students is chosen at random from this school, find the probability that:	
	(a) all will go on to university (b) some will go on to university.	
24	An archer finds that her ratio of success to failure in hitting a bullseye is 9 to 1. If 3 arrows are shot, what is the probability of:	
	(a) 3 successes (b) at least 2 successes (c) not more than 1 success?	
26	A container holds a number of cubes: 60% are white and the remainder are black. Two cubes are randomly selected without replacement. What is the probability that:	
	(a) they are the same colour (b) they are different colours?	
28	Container <i>X</i> holds 1 white cube and 2 black cubes. Container <i>Y</i> holds 2 white cubes and 1 black cube. A container is selected at random and from it two cubes are selected without replacement. Draw a tree diagram to represent this three-stage process and find the probability that both cubes drawn are:	
	(a) the same colour (b) different colours.	
30	Of two coins <i>A</i> and <i>B</i> , <i>A</i> is a fair coin while <i>B</i> is loaded with a probability of 0.6 for heads. A coin is chosen at random and tossed twice. What is the probability of tossing two heads?	