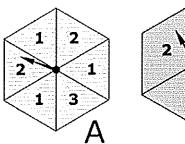
Sample space diagrams

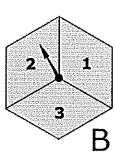
1. A blue and a red dice are thrown and the scores added together.

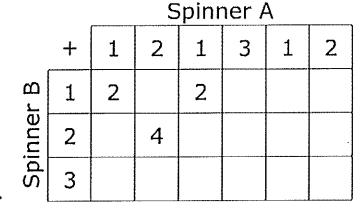
Red dice

		1	2	3	4	5	6
	1	2	3				
	2						
)	3						
)	4						
	5						
	6						
	O	to make the state of the state			***************************************		l

- (a) Complete the sample space diagram.
- (b) What is the probability of scoring a 4?
- (c) What is the probability of scoring a 9?
- (d) What is the probability of scoring 10 or more?
- (e) What is the probability of scoring 5 or less?
- 2. Two spinners A and B are spun and the scores are added together.







- (a) Complete the sample space diagram.
- (b) What is the probability of scoring a total of 2?
- (c) What is the probability of getting an even total?
- (d) What is the probability of getting a total that is a multiple of 3?

A game consists of picking one card at random a the card is subtracted from the number on the d		ne di	sk at	rand	om. T	he num	ber o
(a) Complete the sample space diagram.					- 1	lisk T	
(b) What is the probability of scoring 1?		j		2	1	4	5
(a) What is the probability of Scotnig 1:		Ì	1	2	0		
(c) What is the probability of scoring 4 or more?	7		3				
			4				
4. Two bags, A and B, each contain four numbered	d disk	s th	 at ar	e all t			
		v	_	4		g A	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ı	X		1	3	5	7
$\begin{pmatrix} \begin{pmatrix} $		2		2	6		
disk is drawn at random from bag A and a disk	р В	4					
s drawn at random from bag B. A score is	Bag	6					
obtained by multiplying the numbers on the two lisks.		8	+			•	<u> </u>
			ļ		··		
(a) Complete the sample space diagram.							
(a) Complete the sample space diagram.(b) What is the probability of scoring less than 2	0?						

3. Three cards are numbered 1, 3 and 4. Three disks are numbered 21, 4 and 5.