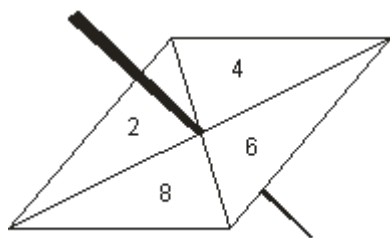
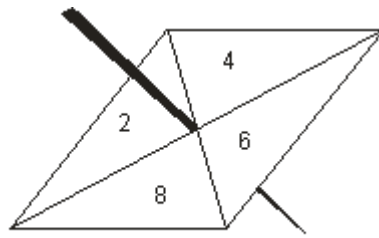


- Q1.** Here are two fair 4-sided spinners.
One is a Blue spinner and one is a Red spinner.



Blue Spinner



Red Spinner

Blue spinner Red spinner

Each spinner has four sections numbered 2, 4, 6 and 8

Each spinner is to be spun once.

Total score = Blue spinner score + Red spinner score.

- (a) Find the probability that the total score will be 10.

.....

(3)

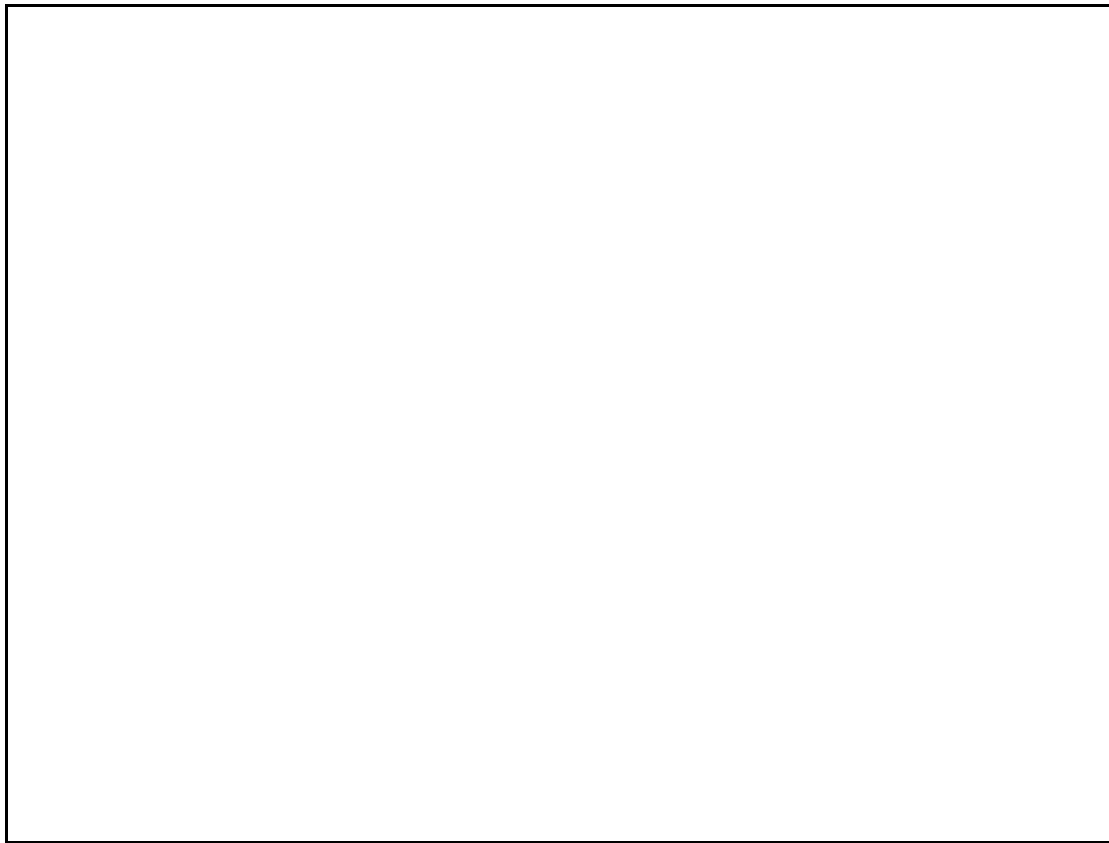
Ali and Shazia play a game.

In each round of the game, Ali spins the Blue spinner once and Shazia spins the Red spinner once.

Ali wins when the Blue spinner score is greater than the Red spinner score.

Ali and Shazia play 80 rounds.

(b) Work out an estimate of the number of rounds that Ali will win.



.....

(3)
(Total 6 marks)

M1.

	Working	Answer	Mark	Additional Guidance
(a)	4 6 8 10 6 8 10 12 8 10 12 14 10 12 14 16 OR $\frac{1}{4} \times \frac{1}{4}$ $\frac{1}{4} \times \frac{1}{4} \times 4$	$\frac{4}{16}$	3	M1 Attempts to list all outcome pairs A1 all 16 found A1 cao OR

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(b)

30

3

Total for Question: 6 marks

Resource currently unavailable.