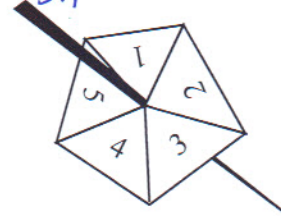


Nov 08 3H

3. Jamila spins this 5-sided spinner 50 times.
The table shows information about her scores.

Score	Frequency
1	10
2	9
3	3
4	17
5	11



- (a) Work out the mean score.

.....
(3)

- (b) Jamila is going to spin the spinner once more.
Find an estimate of the probability that her score will be

(i) 4

.....

(ii) 1 or 3

.....
(3)

- (c) Is the spinner fair?

Yes

No

Tick (✓) the appropriate box.

Give a reason for your answer.

.....

.....

(1)

Q3

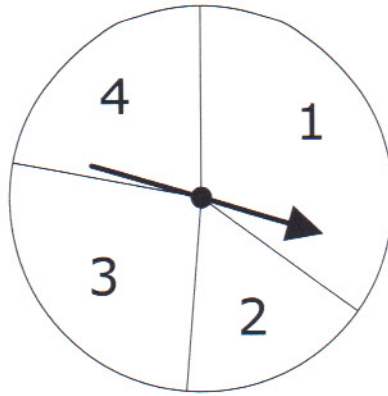
(Total 7 marks)



May 04 3H

4. The diagram shows a pointer which spins about the centre of a fixed disc.

Leave blank



When the pointer is spun, it stops on one of the numbers 1, 2, 3 or 4.
The probability that it will stop on one of the numbers 1 to 3 is given in the table.

Number	1	2	3	4
Probability	0.35	0.16	0.27	

Magda is going to spin the pointer once.

- (a) Work out the probability that the pointer will stop on 4.

.....
(2)

- (b) Work out the probability that the pointer will stop on 1 or 3.

.....
(2)

Omar is going to spin the pointer 75 times.

- (c) Work out an estimate for the number of times the pointer will stop on 2.

.....
(2)

Q4

(Total 6 marks)

5. The probability that a person chosen at random has brown eyes is 0.45
The probability that a person chosen at random has green eyes is 0.12

May 05
3H

(a) Work out the probability that a person chosen at random has either brown eyes **or** green eyes.

.....
(2)

250 people are to be chosen at random.

(b) Work out an estimate for the number of people who will have green eyes.

.....
(2)

(Total 4 marks)

Q5

6. In a club, $\frac{1}{2}$ of the members are left-handed and $\frac{1}{4}$ of the members wear glasses.
A member is chosen at random.

May 05 4H

Stavros says "The probability that this member is left-handed **or** wears glasses is $\frac{3}{4}$."

Is he correct?

.....

Explain your answer.

.....

.....

(Total 2 marks)

Q6

Nov 06 3H

8. Four girls run in a race.
The table shows the probability that each of three girls will win the race.

Name	Probability
Angela	0.5
Beverley	0.1
Caris	0.3
Danielle	

Calculate the probability that either Caris or Danielle will win the race.

.....

(Total 3 marks)

Q8

2. A bag contains red discs, black discs and white discs.
The number of black discs is equal to the number of white discs.
Selina is going to take a disc at random from the bag.
The probability that she will take a red disc is 0.6

Work out the probability that she will take a black disc.

May 08 3H

.....

(Total 2 marks)

Q2

May 09 FH

6. The diagram shows a biased spinner, numbered 1, 2, 3 and 4

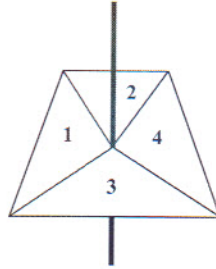


Diagram NOT accurately drawn

When the spinner is spun, the number on which it lands is the score.

The table shows the probabilities for three of the scores.

Score	Probability
1	0.3
2	0.1
3	0.4
4	

The spinner is spun once.
Work out the probability that the score is

(a) 4

.....
(2)

(b) an odd number.

.....
(2)

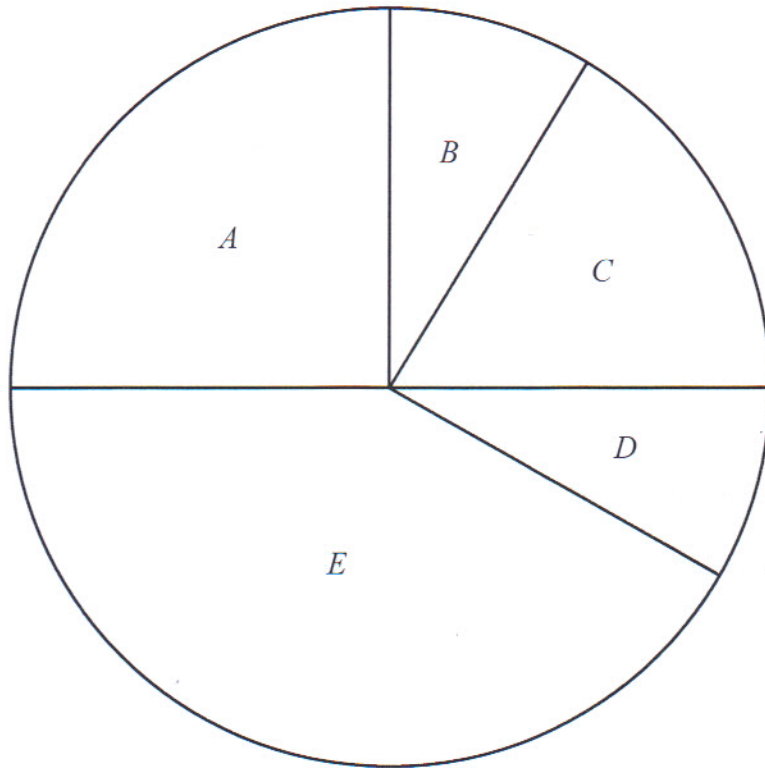
(Total 4 marks)

Q6

Nov 06 3H

4. There are 5 classes in a school.

(a) The pie chart shows information about the number of students in each class. The pie chart is accurately drawn.



A student from the school is chosen at random. Find the probability that this student is in class *E*.

.....
(2)

