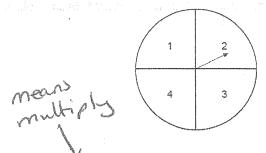
1 A fair 4-sided spinner is spun twice.



The product of the two numbers on each spin is recorded in the table below.

(a) Complete the table below to show the possible outcomes.

	Number on first spin				
Number on second spin	X	14	2	3	4
	1	1	2	3 (4)
	2	2	4	6	8
	3	3	6	(9)	12
	4		8	12	(16

Remember
Probability is
number
between 0
Decimal
Fraction
Fercentage

[2]

(b) Work out the probability that the product is a square number.

13 A menu in a restaurant prices the meals as follows:

2 courses: £16

3 courses: £21

starter AND main

5 x 8

40 possible

The menu offers 5 starters, 8 mains and 4 desserts.

John wants a 2 course meal which includes a main.

main AND dessert

How many choices does John have?

32 possible

Answer 72 choices

Karen buys 1.6 kg of apples on Monday.

$$1.6 \text{kg} = 2.80$$
 $1 \text{kg} = £1.75$

does this make sense

She pays £2.80 Karen buys 2 kg of apples in the same shop on Tuesday.

How much in total does Karen pay for apples on Monday and Tuesday?

$$2kg = 2 \times 1.75$$

 $2kg = 3.50

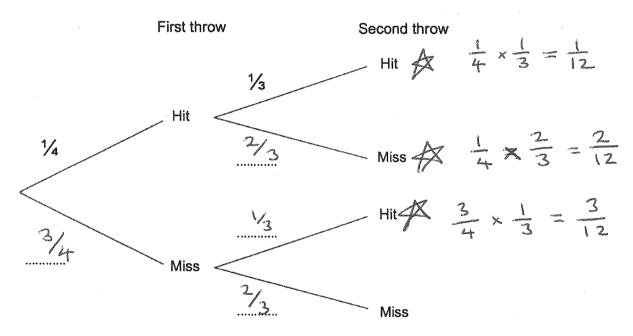
£6.30 For Monday
[4] & Tuesday

5. Jennifer is playing darts.

She throws two darts aiming for a Bullseye.

The probability Jennifer hits the Bullseye on her first throw is 1/4. The probability she hits the Bullseye on her second throw 1/3.

(a) Complete the tree diagram.



(b) Work out the probability Jennifer hits the Bullseye at least once.