

# m7 = 6 days to go!

You should know

5 Mary ran 50 km last week.

She ran 30 miles this week.

She says she ran at least 100 km over the 2 weeks.

5 miles  $\approx$  8 km  
 $\times 6$   
30 miles  $\approx$  48 km

Is she right?

Explain your answer.

50 km + 48

Answer No because 98 km as 30 miles  $\approx$  48 km [3]

The  $n$ th term of a sequence is  $(n + 1)(n + 3)$

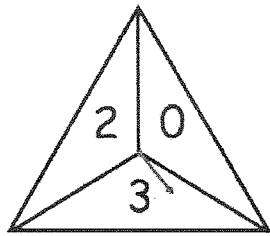
Work out the first three terms of the sequence.

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
$2 \times 4$	$3 \times 5$	$4 \times 6$
8	15	24

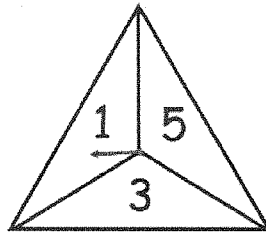
1st term ..... 8 ..... 2nd term ..... 15 ..... 3rd term ..... 24 .....

(2)

Phil uses two fair spinner in a game.



Spinner 1



Spinner 2

He spins both spinners.

His score is the two numbers multiplied together.

(a) Complete the table to show all possible scores.

		Spinner 1		
		0	2	3
Spinner 2	1	0	2	3
	3	0	6	9
	5	0	10	15

*sometimes  
you must*

(2)

Phil says the probability that he gets an even score is  $\frac{1}{2}$

(b) Explain why Phil is incorrect.

*Even score are highlighted with  $\Delta = \frac{3}{9}$*

*You can't get  $\frac{1}{2}$  as  $\frac{4.5}{9}$  because  
you could only get  $\frac{4}{9}$  or  $\frac{5}{9}$*

(2)