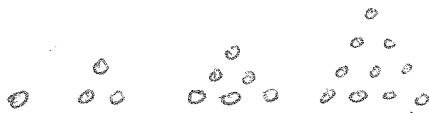


# M6 = 2 days to go!

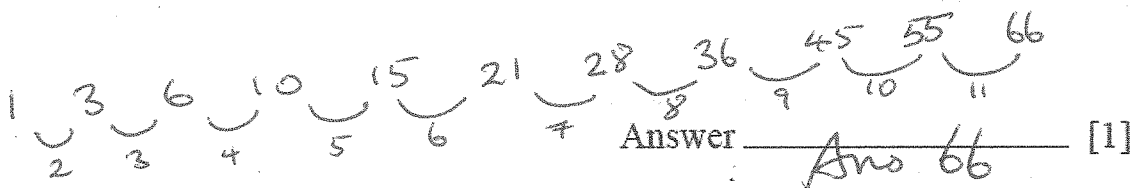
3 (a) Write down the name of the sequence of numbers below:

1, 3, 6, 10, 15, 21...



Answer Triangle or Triangular [1]

(b) What is the largest number less than 70 that belongs to this sequence?



Answer Ans 66 [1]

13 Jack is feeding the grass on his lawn.

He uses the ratio 1 part fertiliser to 24 parts water.  
He needs three litres in total.

How much fertiliser should he use (in ml)?

1: 24



Answer 120ml ml [3]

$$3000 \div 25 = 120$$

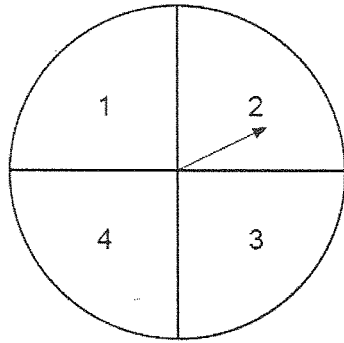
$$1 \times 120$$

F

$$24 \times 120$$

Water

11 A fair 4-sided spinner is spun twice.



*means multiply*

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			
		1	2	3	4
Number on second spin	1	1	2	3	4
	2	2	4	6	8
	3	3	6	9	12
	4	4	8	12	16

[2]

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

*1, 4, 9, 16, 25*

*Circled in the table*

*There are 16 possible outcomes*

Answer \_\_\_\_\_ [1]

$$P(\text{square number}) = \frac{6}{16}$$