

# **$m2 = 10$ days to go!**

**1**

2	8	9	15	17	24	27	30	36	51
---	---	---	----	----	----	----	----	----	----

Which of the above numbers are

(a) cube numbers,

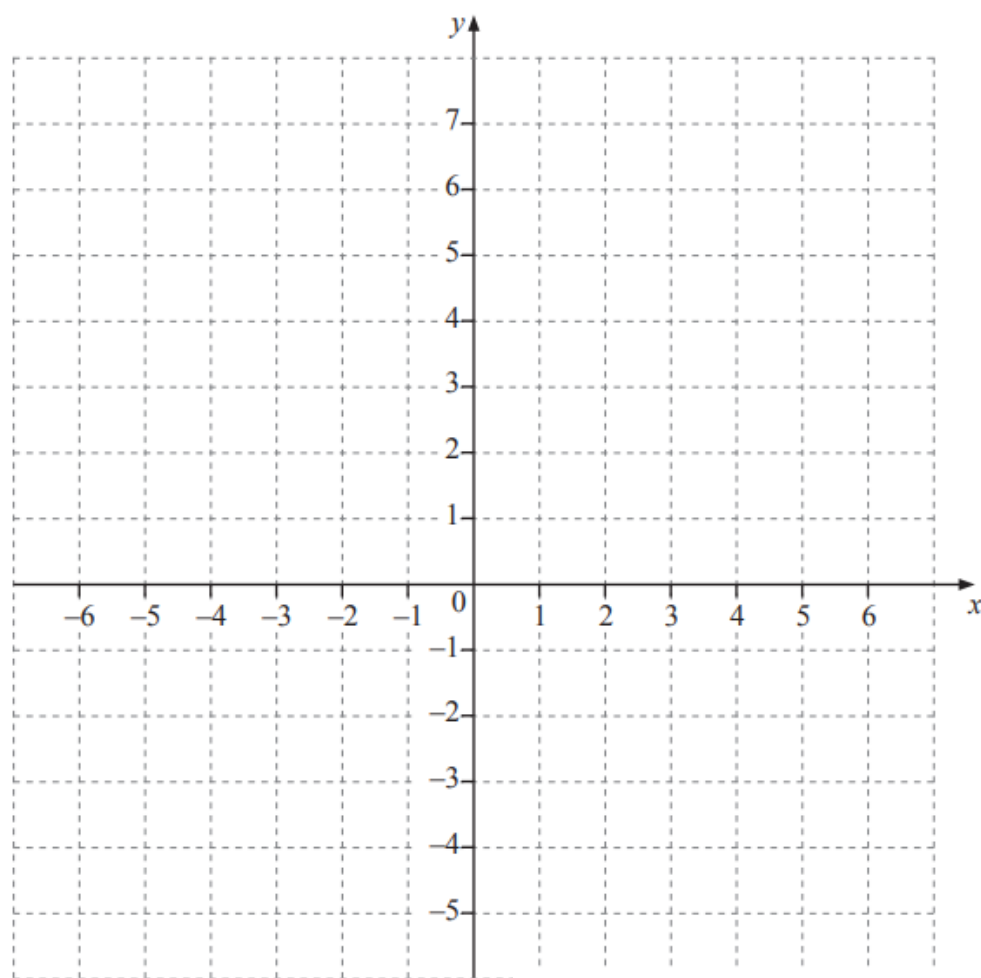
Answer \_\_\_\_\_ [2]

(b) prime numbers?

Answer \_\_\_\_\_ [2]

**17** L is the point  $(-5, 6)$ . N is the point  $(3, -2)$ .

Write the co-ordinates of the midpoint of LN.



Answer ( \_\_\_\_\_ , \_\_\_\_\_ ) [2]

- 2** Some companies work out the number of days holiday for each worker using the formula:

Number of days holiday = Standard number + 2 extra days for each 5 years worked

- (a)** For Apex Builders, the standard number is 18 days. Sammy has worked for 15 years for Apex.  
How many days holiday will Sammy get?

Answer \_\_\_\_\_ [2]

- (b)** Jenny has worked for Trip Fashions for 20 years and gets 28 days holiday.  
What is the standard number for Trip Fashions?

Answer \_\_\_\_\_ [2]

- 24 (a)** Write 96 as a product of prime factors.  
Give your answer in index notation.

Answer \_\_\_\_\_ [3]