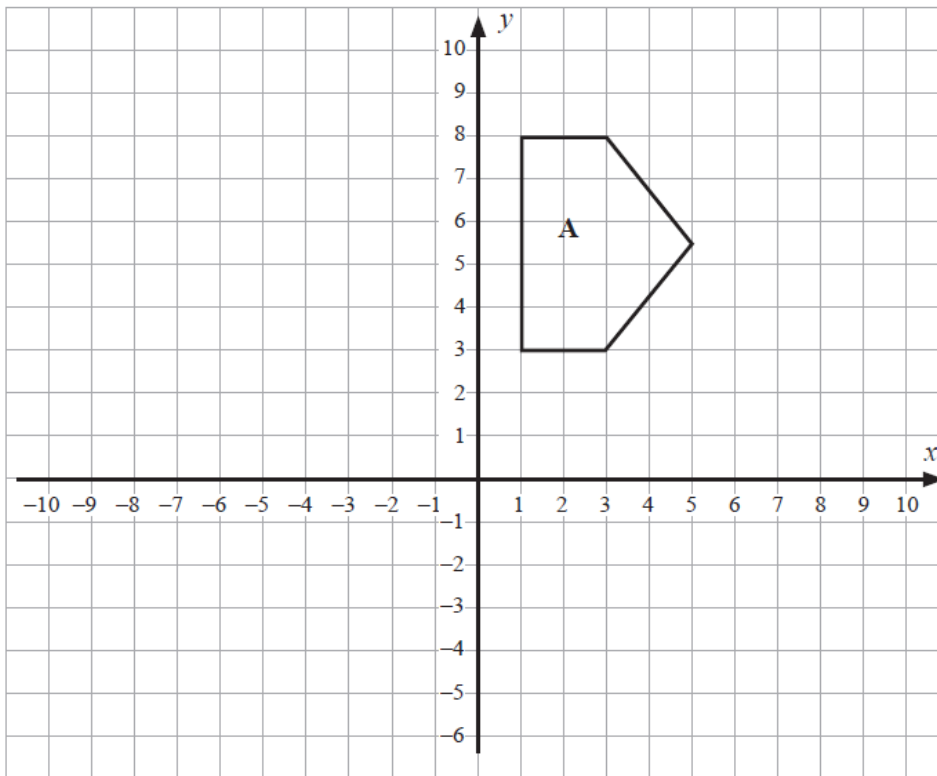


M6 = 5 days to go!

6



(a) What is the order of rotational symmetry of shape A?

Answer _____ [1]

(b) How many lines of symmetry has shape A?

Answer _____ [1]

(c) Draw the image of shape A after a reflection in the line

$y = 2$ [2]

1 The distance from a school to the town centre is 1.5 miles.

Use 1 mile = 1.609 kilometres to work out this distance in kilometres.

Answer _____ km [2]

10 The cost, £ C , of a taxi journey can be calculated using the formula

$$C = 2.50 + 1.25M$$

£2.50 is the initial charge, M = number of miles.

Julie has £10 and Kate has £20

Kate says she can travel exactly twice the number of miles that Julie can by taxi.

Is Kate correct?

Explain your answer.

The n th term of a sequence is $4n - 7$

(a) Write down the first three terms of the sequence.

1st term, 2nd term, 3rd term
(2)

(b) What is the difference between the 150th and 151st terms?

.....
(1)