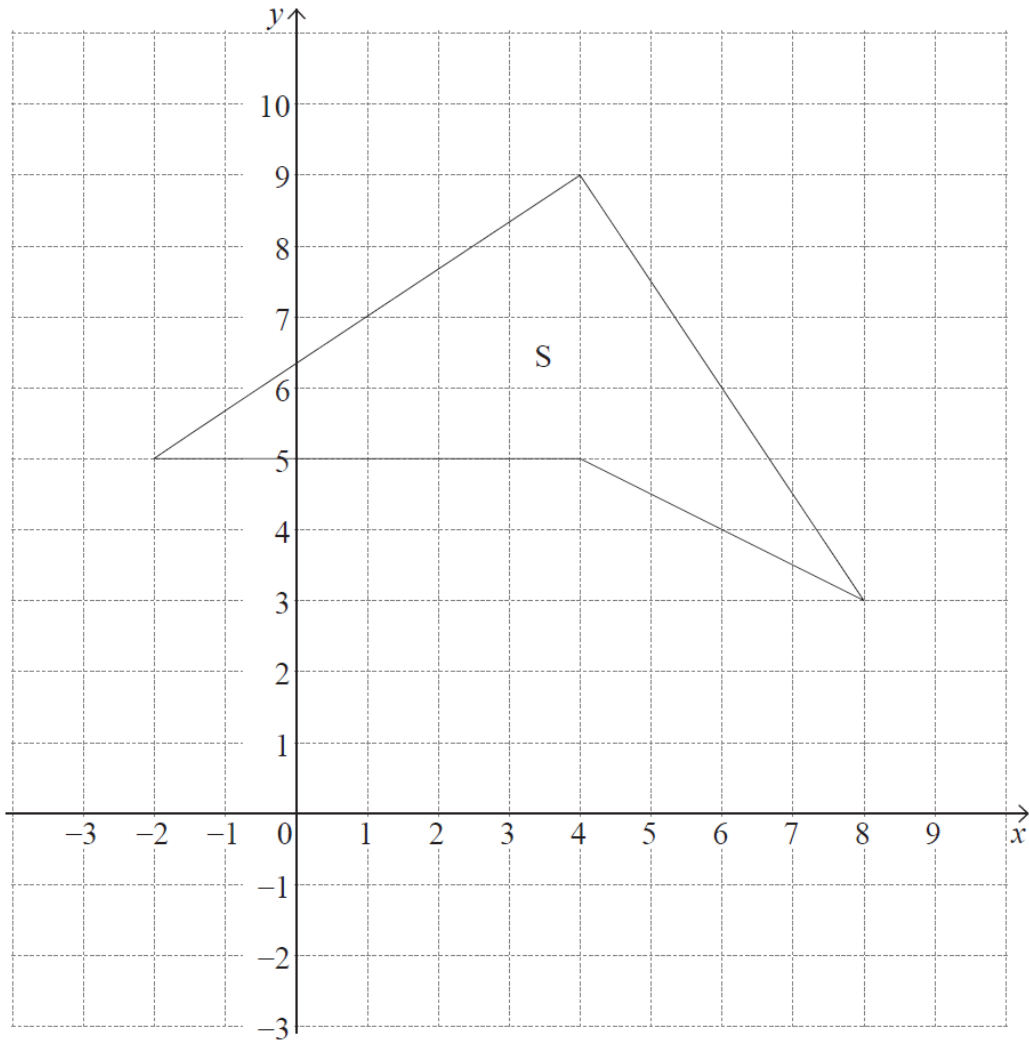


# M8 = 29 days to go!

5



(a) On the grid above, draw an enlargement of the shape S, using a scale factor of  $\frac{1}{2}$  and centre  $(0, -1)$ . [3]

(b) If the shape S has an area of  $20 \text{ cm}^2$ , what is the area of the enlarged shape?

Answer \_\_\_\_\_  $\text{cm}^2$  [1]

- 12** A drawer contains two blue socks, four grey socks and six white socks.  
Two socks are taken at random from the drawer.

What is the probability that

- (a)** they are both grey,

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

- (b)** the two socks are not the same colour as each other?

Answer \_\_\_\_\_ [5]