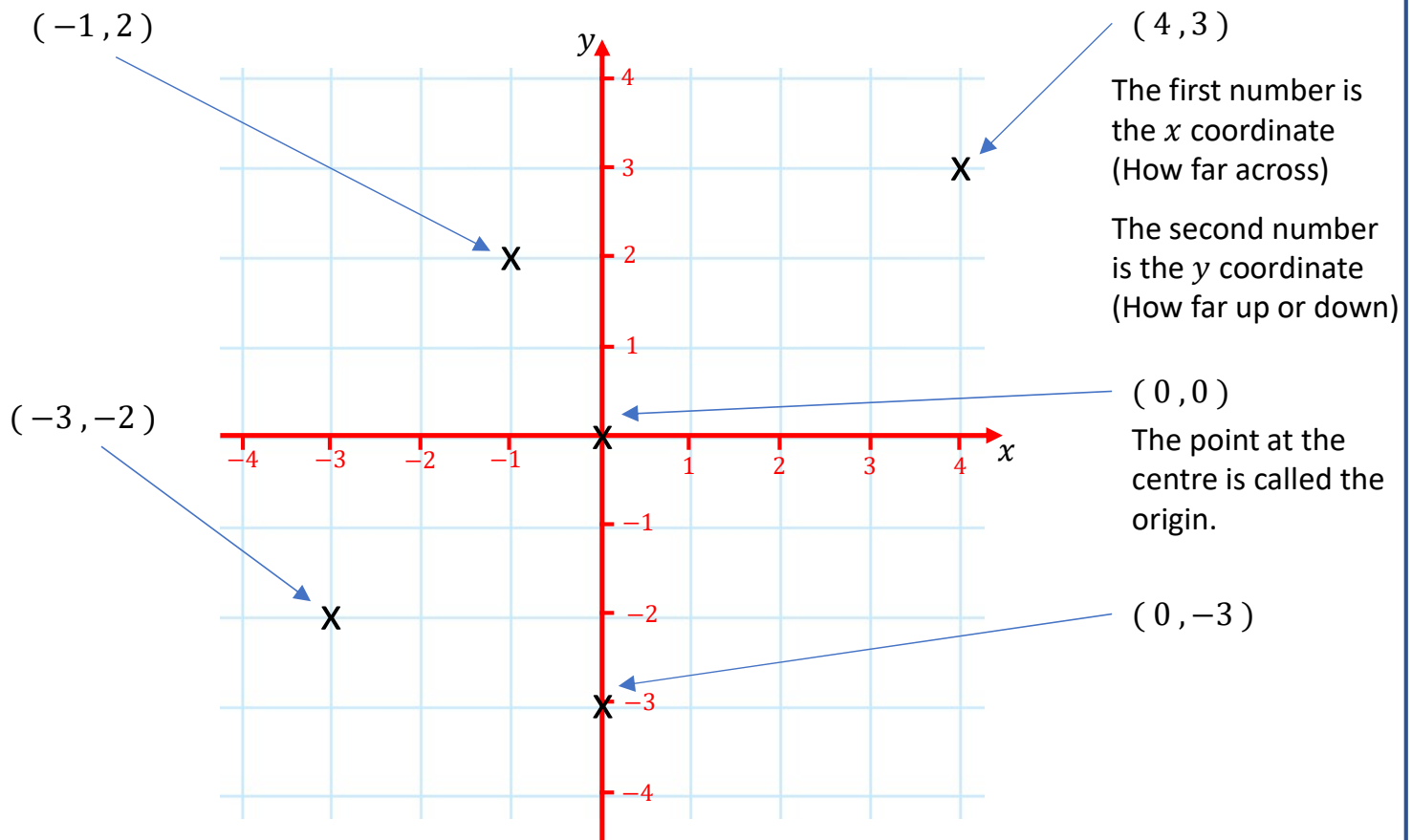
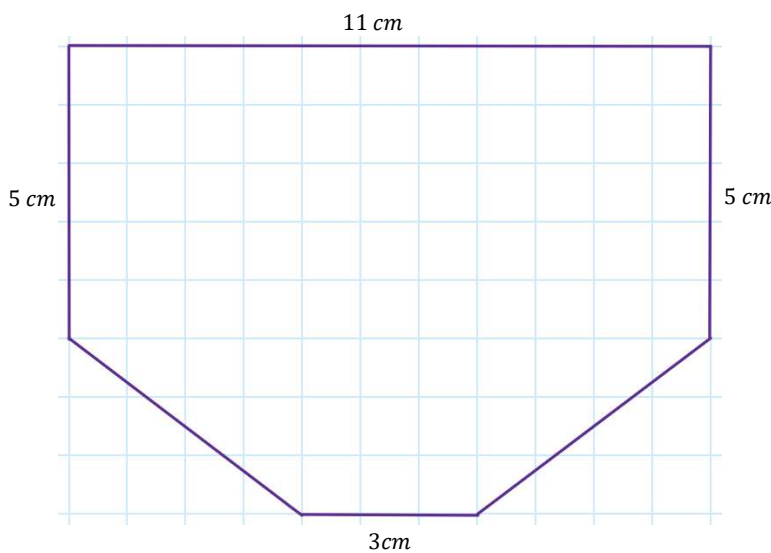


Co-ordinates



Scale Drawings



Scale: 1:5000

A scale of 1:5000 means each side in real life is 5000 times bigger than the diagram.

5 cm in real life = $5\text{ cm} \times 5000 = 25,000\text{ cm}$
 $25,000\text{ cm} = 250\text{ m}$
 $\div 100$ to convert to metres

Finding the scale

On a scale drawing, 8cm represents 2km. Find the scale.

Change one of the units so they are the same. For this question, you want to change 2km into cm.

$2\text{ km} = 2000\text{ m} = 200000\text{ cm}$

8cm in the scale drawing represents 200,000cm in real life.

- 8 : 200,000
- 4 : 100,000
- 2 : 50,000
- 1 : 25,000

If you allowed a calculator you can divide both numbers by 8. Without a calculator you can half until you get to 1.

Scale is 1 : 25,000