

Find the area of a parallelogram

NAME	DATE	SCORE
		/ 10

- 1** A parallelogram has a base of 13 metres. The perpendicular height is 4 metres, and each slanted side is 7 metres long. What is the area, in square metres, of the parallelogram?

- 2** A parallelogram has a base of 8 centimetres, a perpendicular height of 12 centimetres and slanted sides of 16 centimetres. Ivy says the area is 128 square centimetres. Is Ivy right?

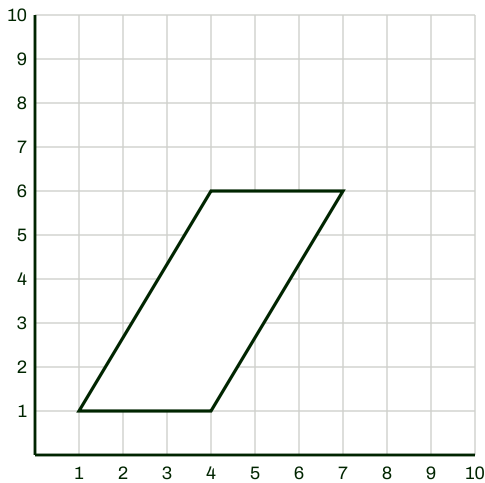
- ☐ Yes: the area is 128 square centimetres
 ☐ No: the area is 96 square centimetres
☐ No: the area is 48 square centimetres

- 3** A parallelogram has a base of 8 centimetres. The perpendicular height is 11 centimetres, and each slanted side is 13 centimetres long. What is the area, in square centimetres, of the parallelogram?

- 4** A parallelogram has a base of 6 centimetres, a perpendicular height of 12 centimetres and slanted sides of 14 centimetres. Dev says the area is 72 square centimetres. Is Dev right?

- ☐ No: the area is 36 square centimetres
 ☐ Yes: the area is 72 square centimetres
☐ No: the area is 84 square centimetres

- 5** A parallelogram is drawn on the grid below. Each grid square is 1 unit long and 1 unit wide. What is the area, in square units, of the parallelogram?



- 6** A parallelogram has a base of 6 centimetres, a perpendicular height of 6 centimetres and slanted sides of 8 centimetres. Noah says the area is 18 square centimetres. Is Noah right?

- ☐ No: the area is 36 square centimetres ☐ No: the area is 48 square centimetres
☐ Yes: the area is 18 square centimetres

- 7** A parallelogram has a base of 14 centimetres. The perpendicular height is 7 centimetres, and each slanted side is 8 centimetres long. What is the area, in square centimetres, of the parallelogram?

- 8** A parallelogram has a base of 10 metres, a perpendicular height of 6 metres and slanted sides of 8 metres. Maya says the area is 30 square metres. Is Maya right?

- ☐ Yes: the area is 30 square metres ☐ No: the area is 80 square metres
☐ No: the area is 60 square metres

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A parallelogram has a base of 14 metres. The perpendicular height is 10 metres, and each slanted side is 13 metres long. What is the area, in square metres, of the parallelogram?

**10**

A parallelogram has a base of 8 centimetres, a perpendicular height of 12 centimetres and slanted sides of 16 centimetres. Cleo says the area is 128 square centimetres. Is Cleo right?

- ☐ No: the area is 48 square centimetres ☐ No: the area is 96 square centimetres
☐ Yes: the area is 128 square centimetres

Find the area of a parallelogram

1 52

3 88

5 15

7 98

9 140

2 No: the area is 96 square centimetres

4 Yes: the area is 72 square centimetres

6 No: the area is 36 square centimetres

8 No: the area is 60 square metres

10 No: the area is 96 square centimetres