

Find an unknown side length given the perimeter

NAME	DATE	SCORE / 10
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- 1 A rectangular rug has a perimeter of 38 metres. The rug is 10 metres long. How many metres wide is the rug?

- 2 Ribbon goes once around the edge of a rectangular card. The ribbon is 18 centimetres long. The card is 6 centimetres long. Noah says the card is 3 centimetres wide. Is Noah right?

- ☐ No: the card is 6 centimetres wide ☐ Yes: the card is 3 centimetres wide
☐ No: the card is 9 centimetres wide ☐ No: the card is 12 centimetres wide

- 3 A rectangle has a perimeter of 34 centimetres. The rectangle is 13 centimetres long. How many centimetres wide is the rectangle?

- 4 A rectangle has a perimeter of 26 centimetres. The rectangle is 8 centimetres long. Cleo says the rectangle is 10 centimetres wide. Is Cleo right?

- ☐ No: the rectangle is 5 centimetres wide ☐ Yes: the rectangle is 10 centimetres wide
☐ No: the rectangle is 18 centimetres wide ☐ No: the rectangle is 13 centimetres wide

- 5 Ribbon goes once around the edge of a rectangular card. The ribbon is 38 centimetres long. The card is 10 centimetres long. How many centimetres wide is the card?

- 6** Ribbon goes once around the edge of a rectangular card. The ribbon is 26 centimetres long. The card is 9 centimetres long. Noah says the card is 13 centimetres wide. Is Noah right?

☐ No: the card is 8 centimetres wide ☐ No: the card is 4 centimetres wide
☐ Yes: the card is 13 centimetres wide ☐ No: the card is 17 centimetres wide

- 7** A fence goes all the way around a rectangular garden. The fence is 36 metres long. The garden is 13 metres long. How many metres wide is the garden?

- 8** A fence goes all the way around a rectangular garden. The fence is 52 metres long. The garden is 20 metres long. Maya says the garden is 6 metres wide. Is Maya right?

☐ No: the garden is 26 metres wide ☐ Yes: the garden is 6 metres wide
☐ No: the garden is 32 metres wide ☐ No: the garden is 12 metres wide

- 9** A rectangular rug has a perimeter of 42 metres. The rug is 11 metres long. How many metres wide is the rug?

- 10** A rectangle has a perimeter of 18 centimetres. The rectangle is 7 centimetres long. Ben says the rectangle is 2 centimetres wide. Is Ben right?

☐ No: the rectangle is 11 centimetres wide ☐ No: the rectangle is 9 centimetres wide
☐ Yes: the rectangle is 2 centimetres wide ☐ No: the rectangle is 4 centimetres wide

Find an unknown side length given the perimeter

1 9

3 4

5 9

7 5

9 10

2 Yes: the card is 3 centimetres wide

4 No: the rectangle is 5 centimetres wide

6 No: the card is 4 centimetres wide

8 Yes: the garden is 6 metres wide

10 Yes: the rectangle is 2 centimetres wide