

Find an unknown side length given the perimeter

NAME	DATE	SCORE / 10
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- 1** Ribbon goes once around the edge of a rectangular card. The ribbon is 32 centimetres long. The card is 9 centimetres long. How many centimetres wide is the card?

- 2** A fence goes all the way around a rectangular garden. The fence is 46 metres long. The garden is 16 metres long. Leo says the garden is 7 metres wide. Is Leo right?

- ☐ No: the garden is 23 metres wide ☐ No: the garden is 14 metres wide
☐ Yes: the garden is 7 metres wide ☐ No: the garden is 30 metres wide

- 3** A fence goes all the way around a rectangular garden. The fence is 54 metres long. The garden is 15 metres long. How many metres wide is the garden?

- 4** Ribbon goes once around the edge of a rectangular card. The ribbon is 32 centimetres long. The card is 9 centimetres long. Leo says the card is 14 centimetres wide. Is Leo right?

- ☐ No: the card is 23 centimetres wide ☐ No: the card is 16 centimetres wide
☐ Yes: the card is 14 centimetres wide ☐ No: the card is 7 centimetres wide

- 5** A rectangle has a perimeter of 30 centimetres. The rectangle is 8 centimetres long. How many centimetres wide is the rectangle?

6 A rectangle has a perimeter of 24 centimetres. The rectangle is 7 centimetres long. Ana says the rectangle is 17 centimetres wide. Is Ana right?

- ☐ No: the rectangle is 5 centimetres wide ☐ Yes: the rectangle is 17 centimetres wide
☐ No: the rectangle is 12 centimetres wide ☐ No: the rectangle is 10 centimetres wide
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7 A rectangular rug has a perimeter of 26 metres. The rug is 8 metres long. How many metres wide is the rug?



8 A fence goes all the way around a rectangular garden. The fence is 48 metres long. The garden is 16 metres long. Maya says the garden is 16 metres wide. Is Maya right?

- ☐ No: the garden is 24 metres wide ☐ No: the garden is 32 metres wide
☐ Yes: the garden is 16 metres wide ☐ No: the garden is 8 metres wide
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9 Ribbon goes once around the edge of a rectangular card. The ribbon is 16 centimetres long. The card is 6 centimetres long. How many centimetres wide is the card?



10 A rectangle has a perimeter of 40 centimetres. The rectangle is 11 centimetres long. Noah says the rectangle is 9 centimetres wide. Is Noah right?

- ☐ No: the rectangle is 29 centimetres wide ☐ No: the rectangle is 18 centimetres wide
☐ No: the rectangle is 20 centimetres wide ☐ Yes: the rectangle is 9 centimetres wide

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1 7

3 12

5 7

7 5

9 2

2 Yes: the garden is 7 metres wide

4 No: the card is 7 centimetres wide

6 No: the rectangle is 5 centimetres wide

8 No: the garden is 8 metres wide

10 Yes: the rectangle is 9 centimetres wide