

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 22 centimetres long. The card is 6 centimetres long. How many centimetres wide is the card?

2

Ribbon goes once around the edge of a rectangular card. The ribbon is 20 centimetres long. The card is 8 centimetres long. Ana says the card is 4 centimetres wide. Is Ana right?

☐ Yes: the card is 4 centimetres wide

☐ No: the card is 2 centimetres wide

☐ No: the card is 12 centimetres wide

☐ No: the card is 10 centimetres wide

3

A rectangular rug has a perimeter of 42 metres. The rug is 12 metres long. How many metres wide is the rug?

4

A rectangular rug has a perimeter of 34 metres. The rug is 9 metres long. Ben says the rug is 25 metres wide. Is Ben right?

☐ No: the rug is 16 metres wide

☐ No: the rug is 8 metres wide

☐ Yes: the rug is 25 metres wide

☐ No: the rug is 17 metres 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 fence goes all the way around a rectangular garden. The fence is 30 metres long. The garden is 9 metres long. Emma says the garden is 6 metres wide. Is Emma right?

- ☐ No: the garden is 15 metres wide ☐ No: the garden is 12 metres wide
☐ Yes: the garden is 6 metres wide ☐ No: the garden is 21 metres wide
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7 A fence goes all the way around a rectangular garden. The fence is 56 metres long. The garden is 19 metres long. How many metres wide is the garden?

8 A rectangle has a perimeter of 20 centimetres. The rectangle is 7 centimetres long. Ana says the rectangle is 6 centimetres wide. Is Ana right?

- ☐ No: the rectangle is 3 centimetres wide ☐ Yes: the rectangle is 6 centimetres wide
☐ No: the rectangle is 13 centimetres wide ☐ No: the rectangle is 10 centimetres wide
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9 Ribbon goes once around the edge of a rectangular card. The ribbon is 24 centimetres long. The card is 9 centimetres long. How many centimetres wide is the card?

10 A fence goes all the way around a rectangular garden. The fence is 48 metres long. The garden is 15 metres long. Dev says the garden is 18 metres wide. Is Dev right?

- ☐ Yes: the garden is 18 metres wide ☐ No: the garden is 24 metres wide
☐ No: the garden is 33 metres wide ☐ No: the garden is 9 metres wide

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1 5

3 9

5 7

7 9

9 3

2 No: the card is 2 centimetres wide

4 No: the rug is 8 metres wide

6 Yes: the garden is 6 metres wide

8 No: the rectangle is 3 centimetres wide

10 No: the garden is 9 metres wide