

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 36 centimetres long. The card is 12 centimetres long. How many centimetres wide is the card?

- 2** A rectangular rug has a perimeter of 32 metres. The rug is 9 metres long. Leo says the rug is 23 metres wide. Is Leo right?

- ☐ No: the rug is 7 metres wide ☐ Yes: the rug is 23 metres wide
☐ No: the rug is 14 metres wide ☐ No: the rug is 16 metres wide

- 3** A fence goes all the way around a rectangular garden. The fence is 56 metres long. The garden is 20 metres long. How many metres wide is the garden?

- 4** Ribbon goes once around the edge of a rectangular card. The ribbon is 30 centimetres long. The card is 9 centimetres long. Emma says the card is 6 centimetres wide. Is Emma right?

- ☐ No: the card is 15 centimetres wide ☐ No: the card is 12 centimetres wide
☐ Yes: the card is 6 centimetres wide ☐ No: the card is 21 centimetres wide

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

6 A rectangular rug has a perimeter of 34 metres. The rug is 12 metres long. Emma says the rug is 5 metres wide. Is Emma right?

- ☐ No: the rug is 10 metres wide ☐ No: the rug is 22 metres wide
☐ Yes: the rug is 5 metres wide ☐ No: the rug is 17 metres wide
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7 A rectangle has a perimeter of 40 centimetres. The rectangle is 14 centimetres long. How many centimetres wide is the rectangle?

8 A fence goes all the way around a rectangular garden. The fence is 40 metres long. The garden is 14 metres long. Leo says the garden is 20 metres wide. Is Leo right?

- ☐ No: the garden is 12 metres wide ☐ No: the garden is 6 metres wide
☐ No: the garden is 26 metres wide ☐ Yes: the garden is 20 metres wide
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9 A fence goes all the way around a rectangular garden. The fence is 26 metres long. The garden is 9 metres long. How many metres wide is the garden?

10 Ribbon goes once around the edge of a rectangular card. The ribbon is 24 centimetres long. The card is 9 centimetres long. Dev says the card is 6 centimetres wide. Is Dev right?

- ☐ Yes: the card is 6 centimetres wide ☐ No: the card is 12 centimetres wide
☐ No: the card is 3 centimetres wide ☐ No: the card is 15 centimetres wide

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1 6

3 8

5 10

7 6

9 4

2 No: the rug is 7 metres wide

4 Yes: the card is 6 centimetres wide

6 Yes: the rug is 5 metres wide

8 No: the garden is 6 metres wide

10 No: the card is 3 centimetres wide