

# Find an unknown side length given the perimeter

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| 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 10 centimetres long. How many centimetres wide is the card?

- 2** Ribbon goes once around the edge of a rectangular card. The ribbon is 16 centimetres long. The card is 6 centimetres long. Ana says the card is 8 centimetres wide. Is Ana right?

- ☐ No: the card is 10 centimetres wide    ☐ No: the card is 2 centimetres wide  
☐ Yes: the card is 8 centimetres wide    ☐ No: the card is 4 centimetres wide

- 3** A rectangular rug has a perimeter of 22 metres. The rug is 6 metres long. How many metres wide is the rug?

- 4** A rectangular rug has a perimeter of 16 metres. The rug is 5 metres long. Noah says the rug is 8 metres wide. Is Noah right?

- ☐ No: the rug is 11 metres wide    ☐ No: the rug is 6 metres wide  
☐ Yes: the rug is 8 metres wide    ☐ No: the rug is 3 metres wide

- 5** A fence goes all the way around a rectangular garden. The fence is 52 metres long. The garden is 14 metres long. How many metres wide is the garden?

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**6** A rectangular rug has a perimeter of 30 metres. The rug is 12 metres long. Ivy says the rug is 3 metres wide. Is Ivy right?

- ☐ No: the rug is 6 metres wide   ☐ Yes: the rug is 3 metres wide  
☐ No: the rug is 18 metres wide   ☐ No: the rug is 15 metres wide
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**7** A rectangle has a perimeter of 28 centimetres. The rectangle is 10 centimetres long. How many centimetres wide is the rectangle?



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**8** Ribbon goes once around the edge of a rectangular card. The ribbon is 34 centimetres long. The card is 12 centimetres long. Maya says the card is 5 centimetres wide. Is Maya right?

- ☐ Yes: the card is 5 centimetres wide   ☐ No: the card is 22 centimetres wide  
☐ No: the card is 10 centimetres wide   ☐ No: the card is 17 centimetres 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?



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**10** A fence goes all the way around a rectangular garden. The fence is 52 metres long. The garden is 18 metres long. Ana says the garden is 8 metres wide. Is Ana right?

- ☐ No: the garden is 16 metres wide   ☐ No: the garden is 34 metres wide  
☐ No: the garden is 26 metres wide   ☐ Yes: the garden is 8 metres wide

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**1** 6

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**3** 5

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**5** 12

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**7** 4

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**9** 2

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**2** No: the card is 2 centimetres wide

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**4** No: the rug is 3 metres wide

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**6** Yes: the rug is 3 metres wide

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**8** Yes: the card is 5 centimetres wide

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**10** Yes: the garden is 8 metres wide