

Math

Grade 4

Garden planners

Design garden beds and fences using area and perimeter.



I can find the area and perimeter of rectangles.



1



Complete the table

Fill in the empty boxes.

Garden bed	Length	Width	Perimeter	Area
Carrots	4 m	2 m		
Flowers	6 m	3 m		
Herbs	5 m	5 m		
Pond		2 m	18 m	

2



Pick the answer

Circle the right answer.

1. A square garden has sides of 6 m. What is its area?

A 36 m²

B 24 m²

C 12 m²

2. A fence goes around a 5 m by 3 m bed. How long is the fence?

A 15 m

B 16 m

C 8 m

3 True or false

Circle true or false.

1. Perimeter is the distance around a shape.

True

False

2. Area is measured in metres.

True

False

3. Two rectangles can have the same area but different perimeters.

True

False

4 Match the rule

Draw a line to match each pair.

☐

Perimeter of a rectangle



● A. side $\times$ side

☐

Area of a rectangle



● B. 4 $\times$ side

☐

Area of a square



● C. 2 $\times$ (length + width)

☐

Perimeter of a square



● D. length $\times$ width

5 Work it out

Write the missing answer.

1. Area of a 7 m by 3 m rectangle = _____ m^2

2. Perimeter of a 7 m by 3 m rectangle = _____ m

3. Area of a square with 4 m sides = _____ m^2

4. Perimeter of a square with 9 m sides = _____ m

5. Area 30 m^2 , length 6 m, so width = _____ m

6. A square with perimeter 20 m has sides of _____ m

6

**Same area, new shape**

Fill in the empty boxes.

Length	Width	Area	Perimeter
12 m	1 m		
6 m	2 m		
4 m	3 m		

7

**Garden problems**

Circle the right answer.

1. A bed is 8 m long and 2 m wide. What is its area?

A 16 m²

B 20 m²

C 10 m²

2. A square patio has a perimeter of 28 m. How long is one side?

A 14 m

B 7 m

C 4 m

3. Which bed has the biggest area?

A 5 m × 4 m

B 6 m × 3 m

C 7 m × 3 m

4. A fence goes around a field that is 10 m by 6 m. How long is the fence?

A 60 m

B 16 m

C 32 m

8 🌻 Draw it

Design a garden with a total area of 24 squares. Label length and width.



How did it go?



Made with 

Math

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Answer key

Garden planners

Design garden beds and fences using area and perimeter.



I can find the area and perimeter of rectangles.



1

**Complete the table**

Fill in the empty boxes.

Garden bed	Length	Width	Perimeter	Area
Carrots	4 m	2 m	12 m	8 m ²
Flowers	6 m	3 m	18 m	18 m ²
Herbs	5 m	5 m	20 m	25 m ²
Pond	7 m	2 m	18 m	14 m ²

2

**Pick the answer**

Circle the right answer.

1. A square garden has sides of 6 m. What is its area?

☐ A 36 m²☐ B 24 m²☐ C 12 m²

2. A fence goes around a 5 m by 3 m bed. How long is the fence?

☐ A 15 m☐ B 16 m☐ C 8 m

3 True or false

Circle true or false.

1. Perimeter is the distance around a shape.

True

False

2. Area is measured in metres.

True

False

3. Two rectangles can have the same area but different perimeters.

True

False

4 Match the rule

Draw a line to match each pair.

C Perimeter of a rectangle •

• **A.** side $\times$ side

D Area of a rectangle •

• **B.** 4 $\times$ side

A Area of a square •

• **C.** 2 $\times$ (length + width)

B Perimeter of a square •

• **D.** length $\times$ width

5 Work it out

Write the missing answer.

1. Area of a 7 m by 3 m rectangle = 21 m²

2. Perimeter of a 7 m by 3 m rectangle = 20 m

3. Area of a square with 4 m sides = 16 m²

4. Perimeter of a square with 9 m sides = 36 m

5. Area 30 m², length 6 m, so width = 5 m

6. A square with perimeter 20 m has sides of 5 m

6

**Same area, new shape**

Fill in the empty boxes.

Length	Width	Area	Perimeter
12 m	1 m	12 m ²	26 m
6 m	2 m	12 m ²	16 m
4 m	3 m	12 m ²	14 m

7

**Garden problems**

Circle the right answer.

1. A bed is 8 m long and 2 m wide. What is its area?

☐ A 16 m²☐ B 20 m²☐ C 10 m²

2. A square patio has a perimeter of 28 m. How long is one side?

☐ A 14 m☐ B 7 m☐ C 4 m

3. Which bed has the biggest area?

☐ A 5 m × 4 m☐ B 6 m × 3 m☐ C 7 m × 3 m

4. A fence goes around a field that is 10 m by 6 m. How long is the fence?

☐ A 60 m☐ B 16 m☐ C 32 m

8 🌻 Draw it

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How did it go?



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