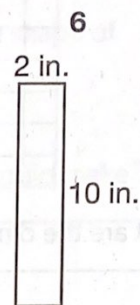
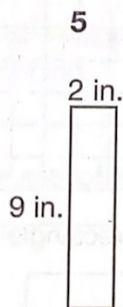
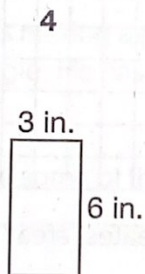
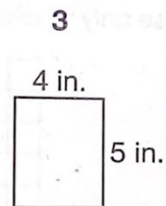
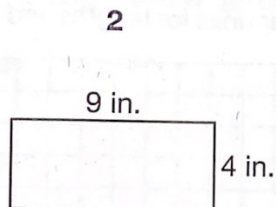
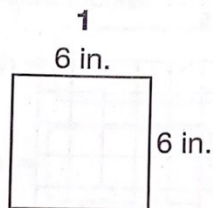


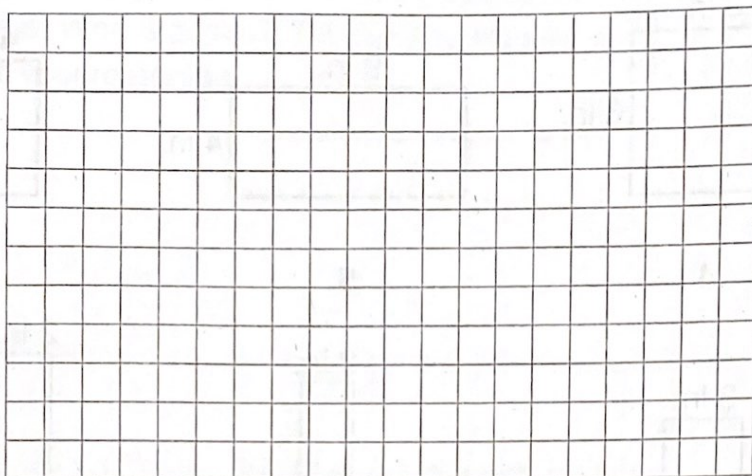
3 LESSON PRACTICE

Use the rectangles for questions 1–4.



- 1 Which statement is true about rectangles 1 and 2?
- ☐ A. They have the same area.
 - ☐ B. They have the same perimeter.
 - ☐ C. They have the same dimensions.
 - ☐ D. They have different areas and different perimeters.
- 2 Which rectangle has a greater area than rectangle 6?
- ☐ A. rectangle 2
 - ☐ B. rectangle 3
 - ☐ C. rectangle 4
 - ☐ D. rectangle 5
- 3 Which two rectangles have the same perimeter but different area?
- ☐ A. rectangles 1 and 2
 - ☐ B. rectangles 1 and 6
 - ☐ C. rectangles 2 and 3
 - ☐ D. rectangles 3 and 5
- 4 Which two rectangles have the same area but different perimeter?
- ☐ A. rectangles 3 and 4
 - ☐ B. rectangles 2 and 3
 - ☐ C. rectangles 4 and 5
 - ☐ D. rectangles 2 and 6

- 5 Draw 4 different rectangles that have a perimeter of 16 units.
Use only whole number units for lengths and widths.



What are the dimensions of the rectangle with the greatest area?

What are the dimensions of the rectangle with the least area?

- 6 Miguel drew a square that measures 6 inches on each side.
Is the statement about the square true? Select the boxes in the table.

Statement	True	False
A rectangle that measures 12 inches by 2 inches has the same area as Miguel's square.	<input type="radio"/>	<input type="radio"/>
A rectangle that measures 10 inches by 2 inches has the same perimeter as Miguel's square.	<input type="radio"/>	<input type="radio"/>
There is no other square with the same area as Miguel's square.	<input type="radio"/>	<input type="radio"/>
There is no other rectangle with the same area as Miguel's square.	<input type="radio"/>	<input type="radio"/>

- 7 Sophie drew a rectangle. It has a perimeter of 18 inches. Its area is 18 square inches. What are the length and width of the rectangle?

length = inches

width = inches

- 8 Chang is making a playpen for his puppy. It will be in the shape of a rectangle. He has 20 feet of fencing.

Part A

What are some of the measurements of the pen Chang could make?

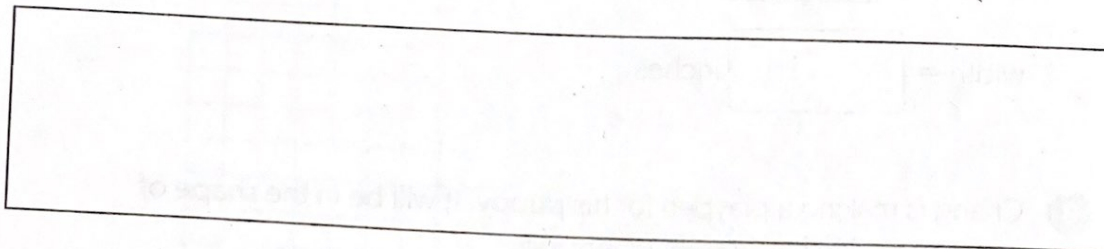
Part B

Which pen will give his puppy the greatest area to run around in?

- 9 Hilda wants a rectangular garden to have an area of 20 square feet. She will put a fence around the garden. What is the least amount of fencing she could use?

feet

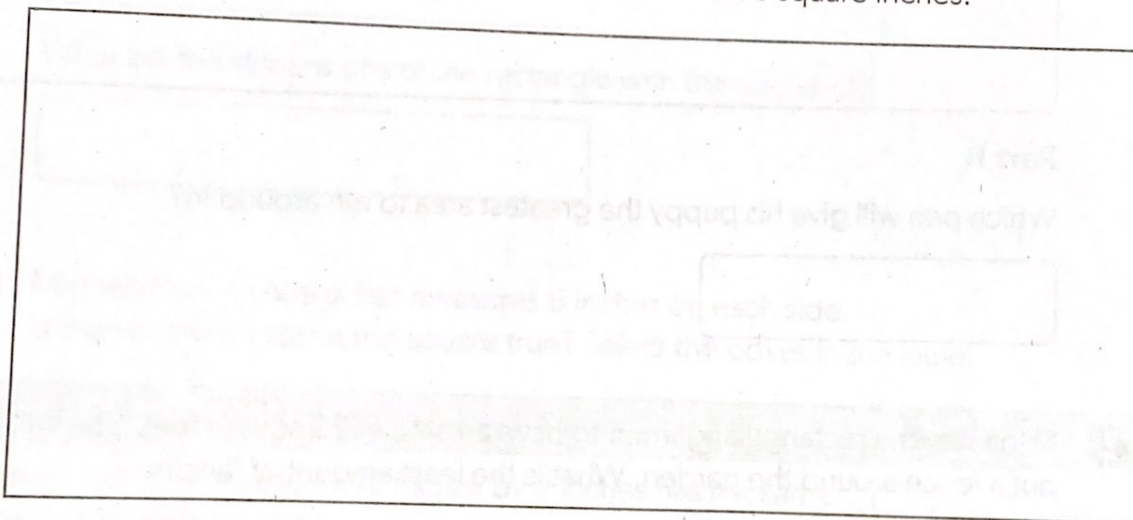
- 10 Joe drew a square. He says that there are many squares with the same area as his square. Beth says there are no other squares with the same area as Joe's square. Who is correct? Explain your reasoning. Draw an example to prove your reasoning.



- 11 Zan is making patches for a quilt. She wants each patch to have an area of 36 square inches.

Part A

Draw and label two rectangles that have an area of 36 square inches.



Part B

Describe how you found the measurements for the rectangles you drew.

