Varied Fluency
Step 4: Comparing Area

National Curriculum Objectives:

Mathematics Year 4: (4M7b) Find the area of rectilinear shapes by counting squares

Differentiation:

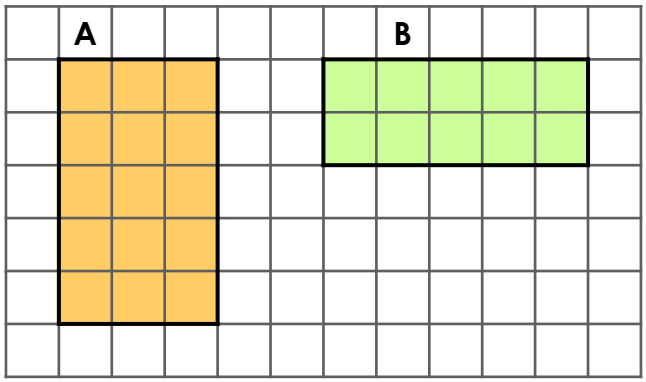
Developing Questions to support comparing the area of squares and rectangles.
Expected Questions to support comparing the area of rectilinear shapes.
Greater Depth Questions to support comparing the area of rectilinear shapes. Some parts of the shapes take up a half, quarter or three-quarters of a grid square.

More Year 4 Area resources.

Did you like this resource? Don't forget to review it on our website.

Comparing Area

1a. Circle the shape with the largest area.

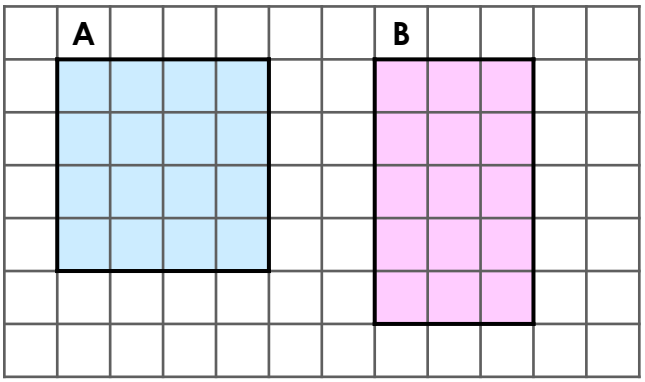


D

VF

Comparing Area

1b. Circle the shape with the smallest area.



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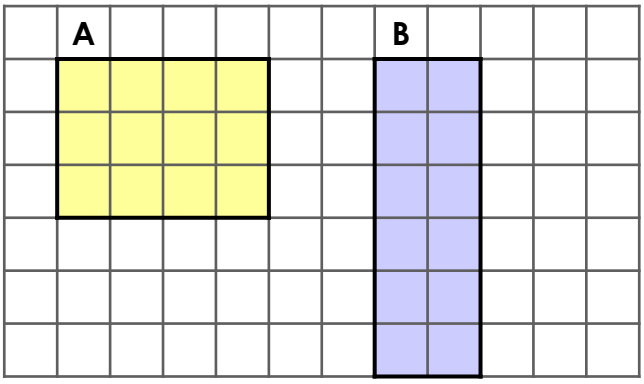
2a. Insert <, > or = to correctly compare the shapes below.

A ☐ B

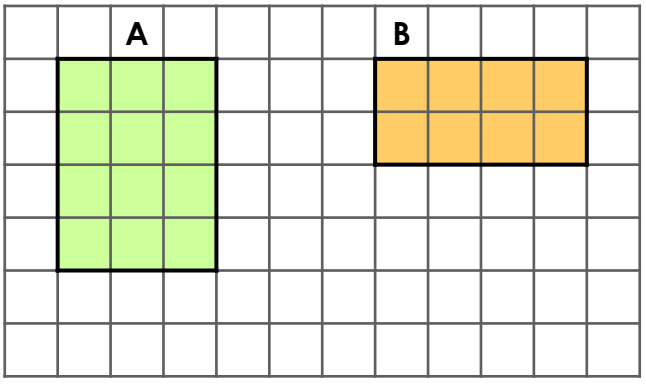


D

VF

2b. Insert <, > or = to correctly compare the shapes below.

A ☐ B



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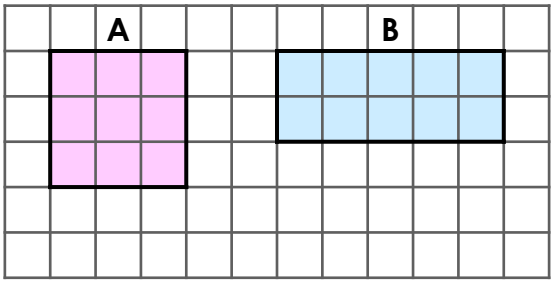
3a. Which statement is incorrect?



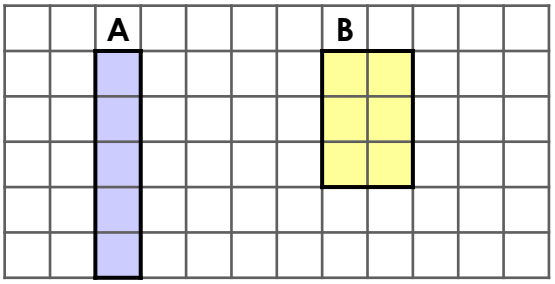
1. A has an area smaller than B.

2. The area of A is 2 squares smaller than B.

D

VF

3b. Which statement is incorrect?



1. A has an area smaller than B.

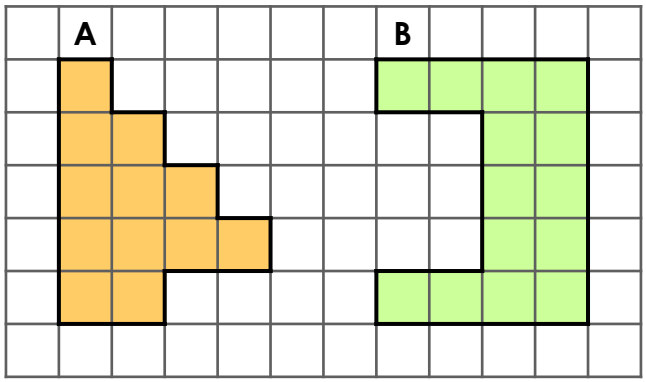
2. The area of B is 1 square smaller than A.

D

VF

Comparing Area

4a. Circle the shape with the largest area.



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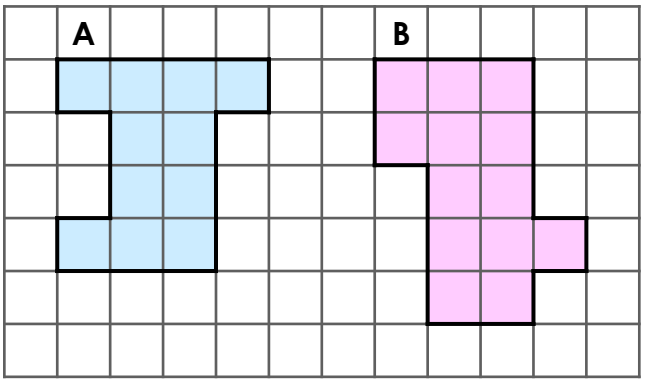
Comparing Area

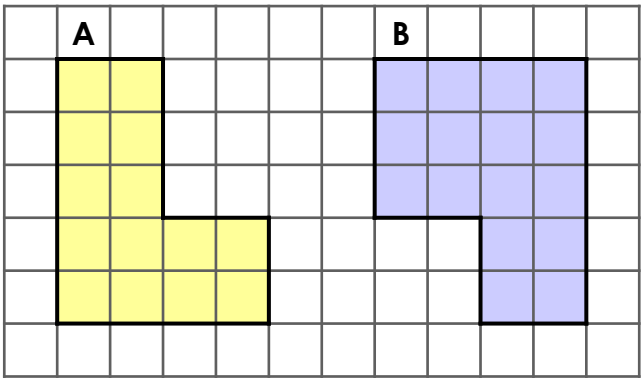
4b. Circle the shape with the smallest area.



VF

5a. Insert <, > or = to correctly compare the shapes below.

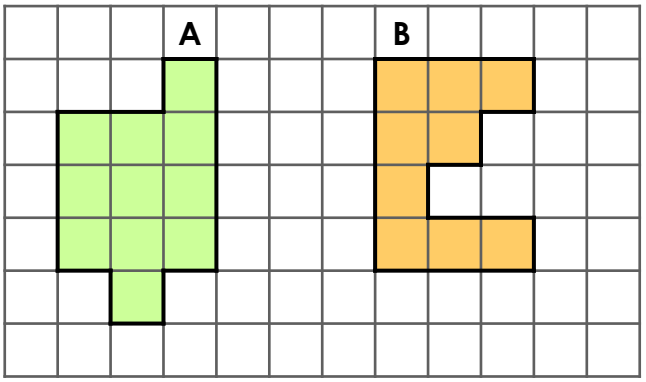
A ☐ B



VF

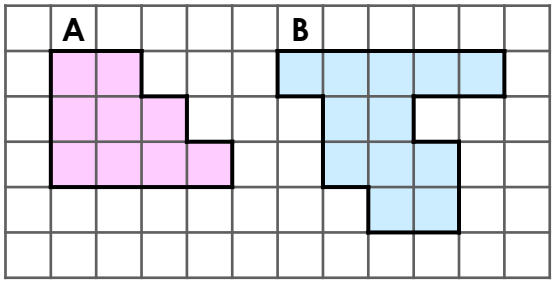
5b. Insert <, > or = to correctly compare the shapes below.

A ☐ B



VF

6a. Which statement is incorrect?



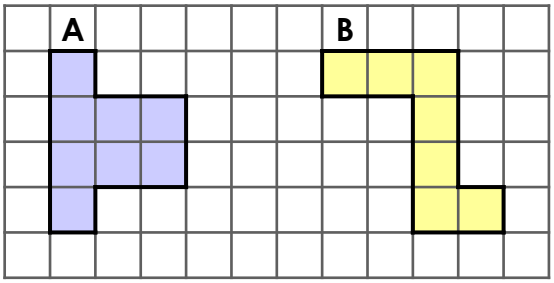
1. A has an area smaller than B.

2. The area of A is 4 squares smaller than B.

3. B has an area of 12 squares.

VF

6b. Which statement is incorrect?



1. A has an area larger than B.

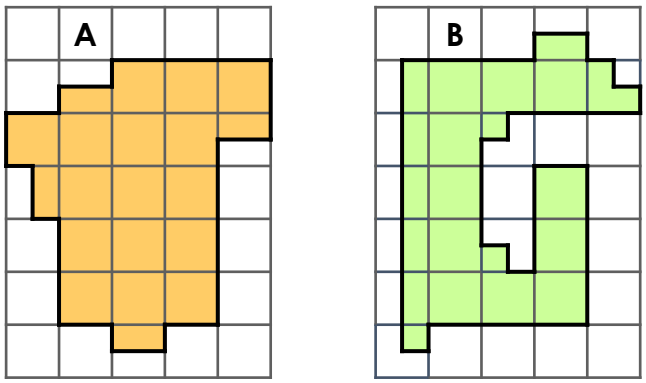
2. The area of B is 1 square smaller than A.

3. A has an area of 7 squares.

VF

Comparing Area

7a. Circle the shape with the largest area.



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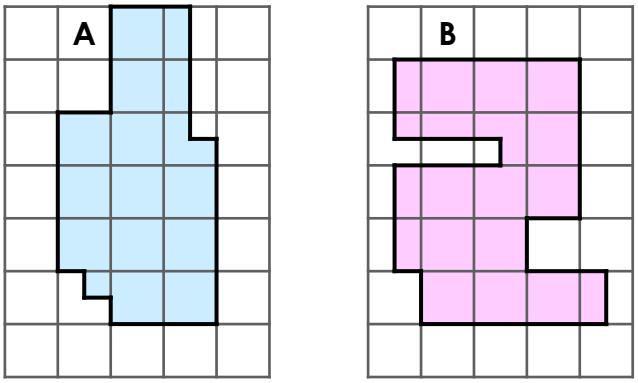
VF

Comparing Area

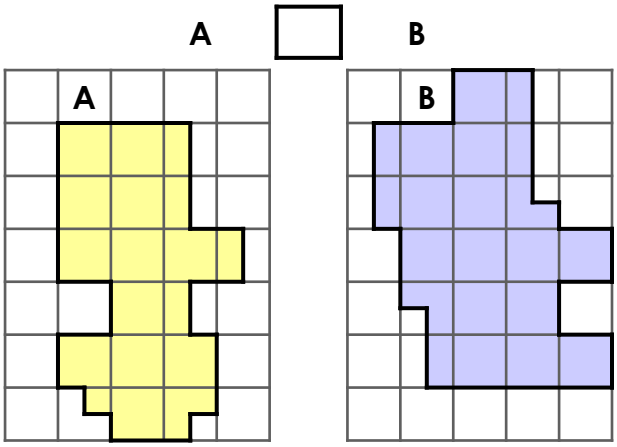
7b. Circle the shape with the smallest area.



GD

VF

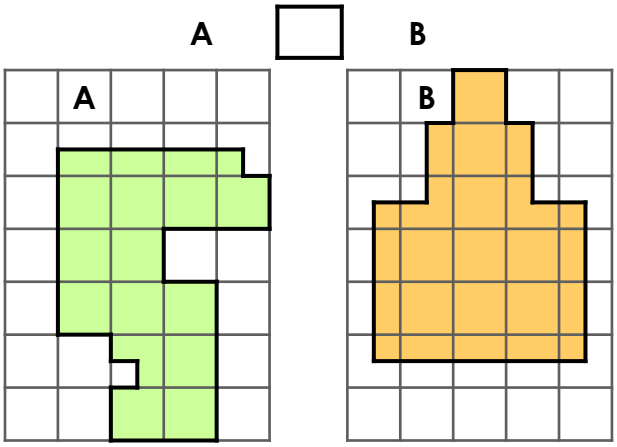
8a. Insert <, > or = to correctly compare the shapes below.



GD

VF

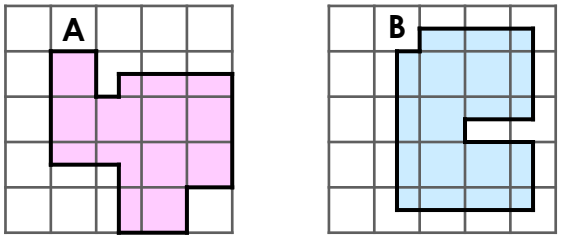
8b. Insert <, > or = to correctly compare the shapes below.



GD

VF

9a. Which statement is incorrect?



1. Counting only half squares, B has the largest area.

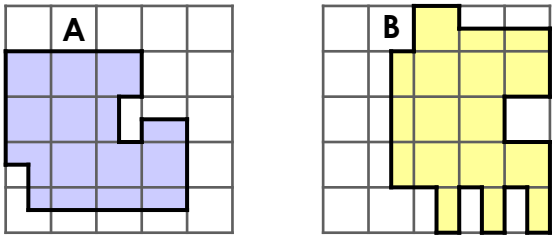
2. The area of B is 2 squares larger than A.

3. A has an area of 11 squares.

GD

VF

9b. Which statement is incorrect?



1. Counting only partial squares, B has the largest area.

2. The area of B is 1.5 squares larger than A.

3. A has an area of 11 squares.

GD

VF

Varied Fluency
Comparing Area

Developing

1a. A

2a. A = B

3a. 2 is incorrect because the area of A is 1 square smaller than B.

Expected

4a. B

5a. A < B

6a. 2 is incorrect because the area of B is 3 squares smaller than A.

Greater Depth

7a. A

8a. A < B

9a. 2 is incorrect because both shapes have an equal area.

Varied Fluency
Comparing Area

Developing

1b. B

2b. A > B

3b. 2 is incorrect because A is 1 square smaller than B.

Expected

4b. A

5b. A > B

6b. 3 is incorrect because A has an area of 8 squares.

Greater Depth

7b. A

8b. A < B

9b. 3 is incorrect because A has an area of 11.5 squares.