

# AREA - DAY 1

LO:I can compare the area of  
rectilinear shapes

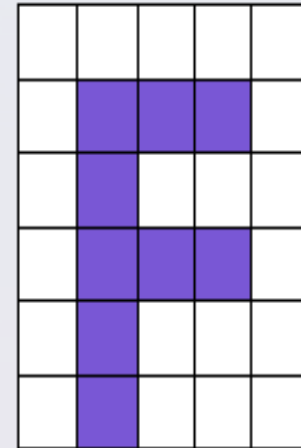
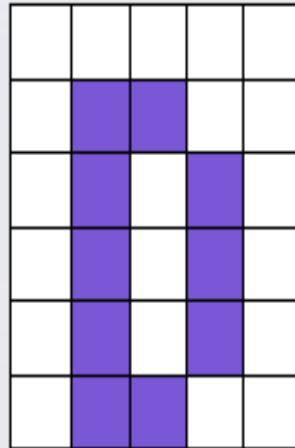
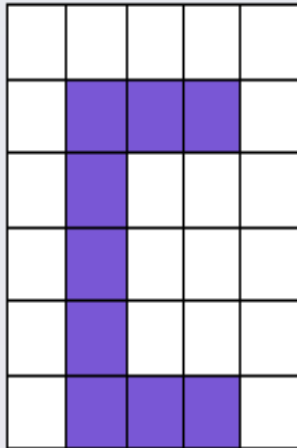
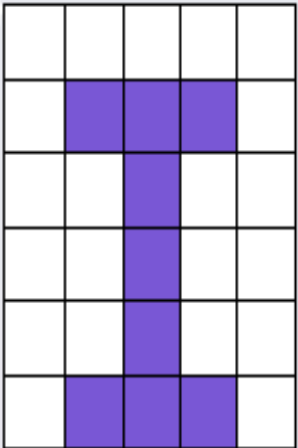
A rectilinear shape is a shape whose sides all meet at a right angle.

# Fluency

LO: I can compare the area of rectilinear shapes

Starter:

Which one doesn't belong?



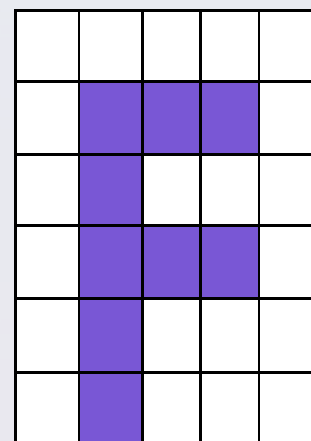
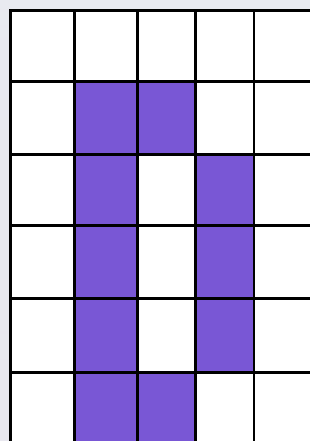
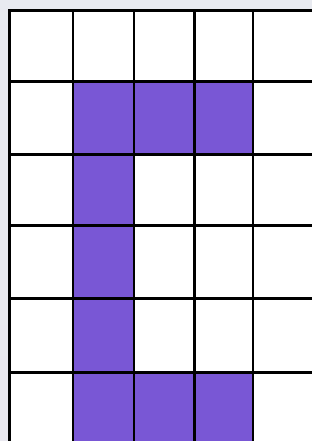
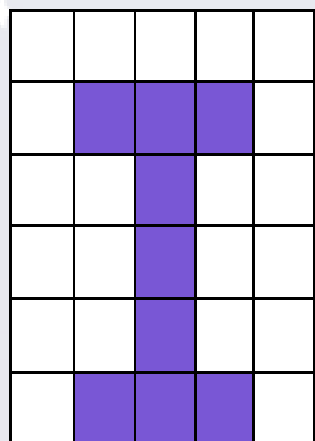
★  
Explain your answer.

# Fluency

LO: I can compare the area of rectilinear shapes

Starter:

Which one doesn't belong?



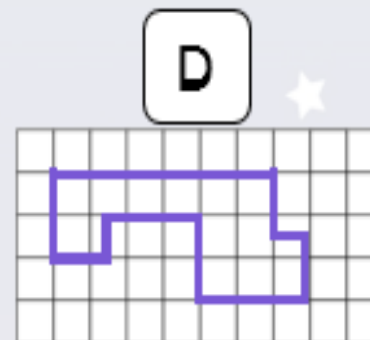
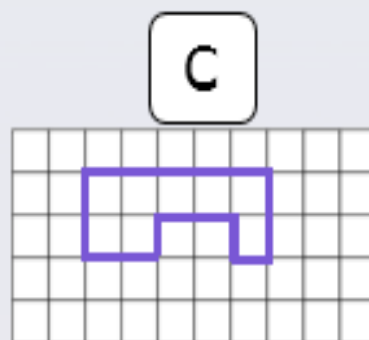
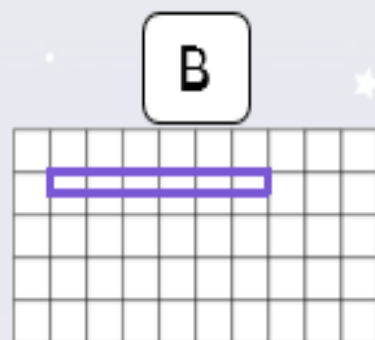
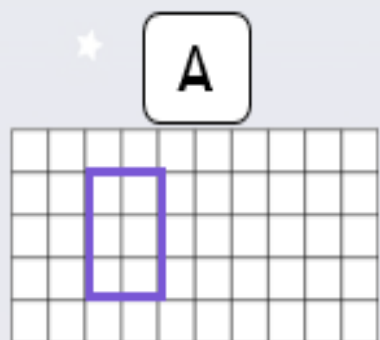
★  
D doesn't belong as it is the only letter which has an area of ten squares.  
Whereas I, C and F each have an area of nine squares.

# Fluency

LO: I can compare the area of rectilinear shapes

## ACTIVITY 1

Put the shapes below in order from largest to smallest.

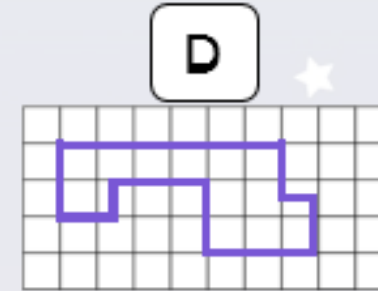
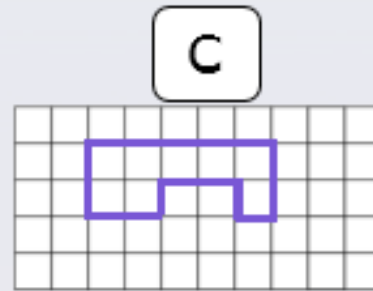
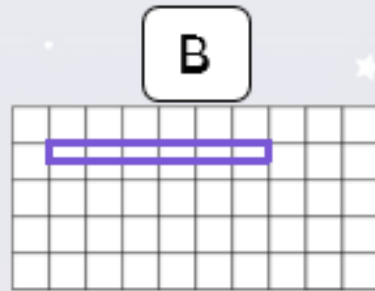
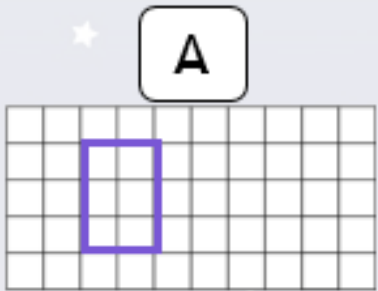


★ Explain your answer. ★

# Fluency

LO: I can compare the area of rectilinear shapes

Put the shapes below in order from largest to smallest.



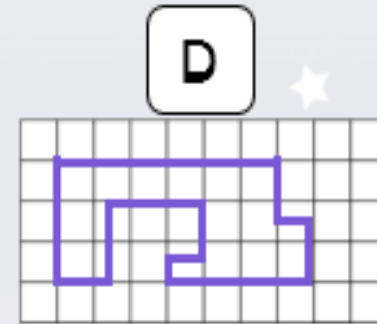
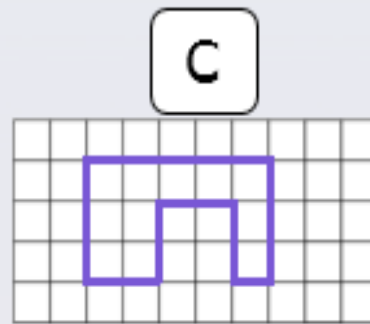
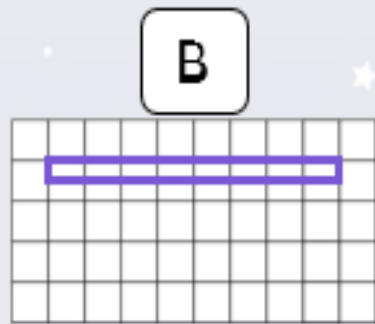
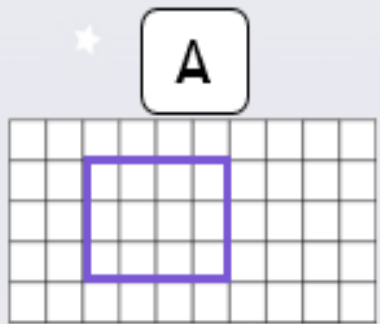
D has the largest area as it is made up of 12 whole squares and two half squares totalling 13 squares. C is the second largest with an area of 8 squares. A has the third largest area with 6 squares, and B has the smallest area, made up of six half squares totalling 3 squares.

# Fluency

LO: I can compare the area of rectilinear shapes

## ACTIVITY 2

Put the shapes below in order from largest to smallest.

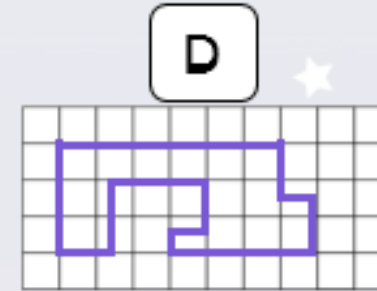
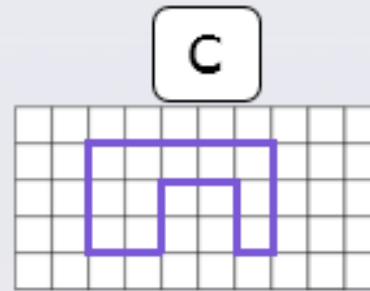
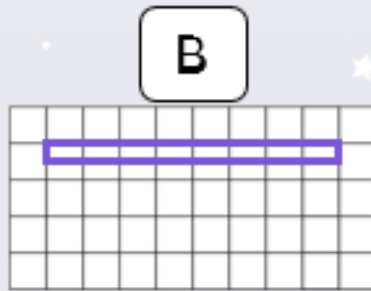
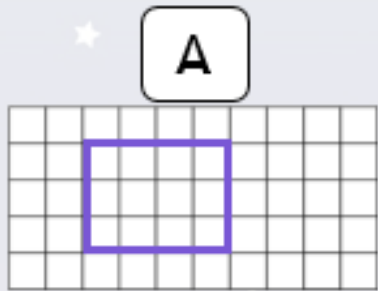


Explain your answer.

# Fluency

LO: I can compare the area of rectilinear shapes

Put the shapes below in order from largest to smallest.

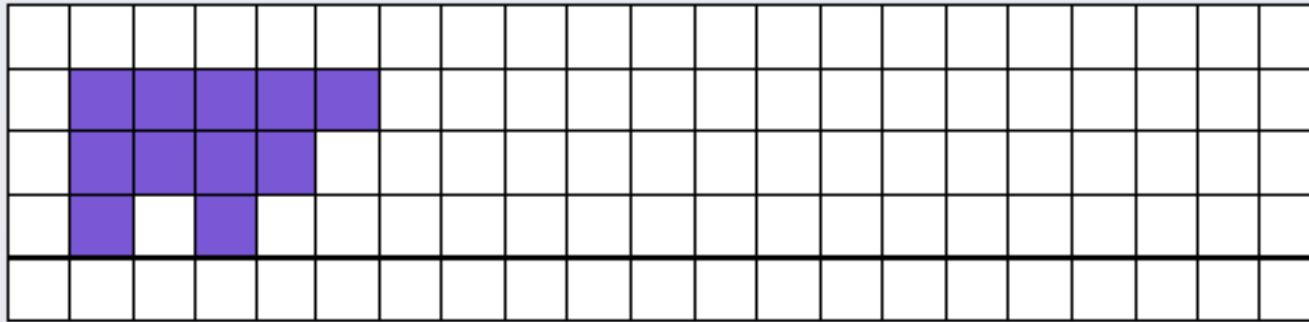


D has the largest area as it is made up of 13 whole squares and four half squares totalling 15 squares. A is the second largest with an area of 12 squares. C has the third largest area with 11 squares, and B has the smallest area, made up of eight half squares totalling 4 squares.

# Fluency

LO: I can compare the area of rectilinear shapes

## Activity 3:



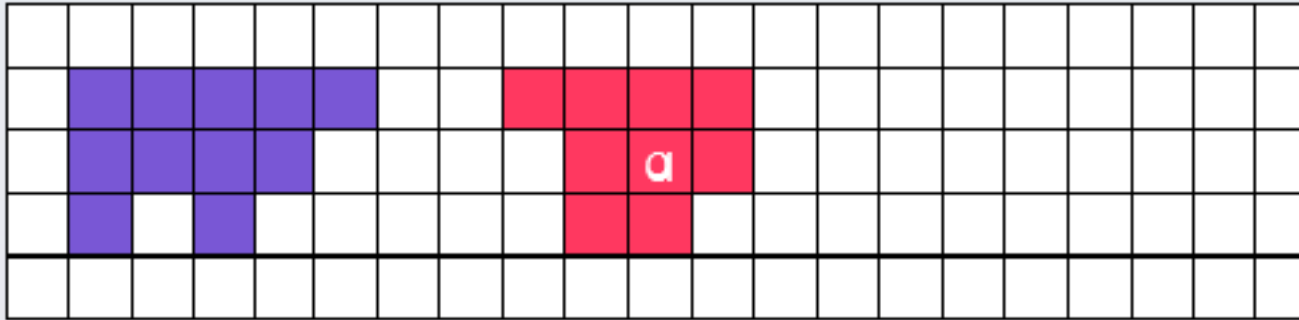
- a) Shade in squares to make a smaller rectilinear shape than the purple shape shown above – it must be made up of a minimum of eight squares.
- b) Create a rectilinear shape that is equal to the purple shape shown above, but is different to it.



# Fluency

LO: I can compare the area of rectilinear shapes

## Activity 3:

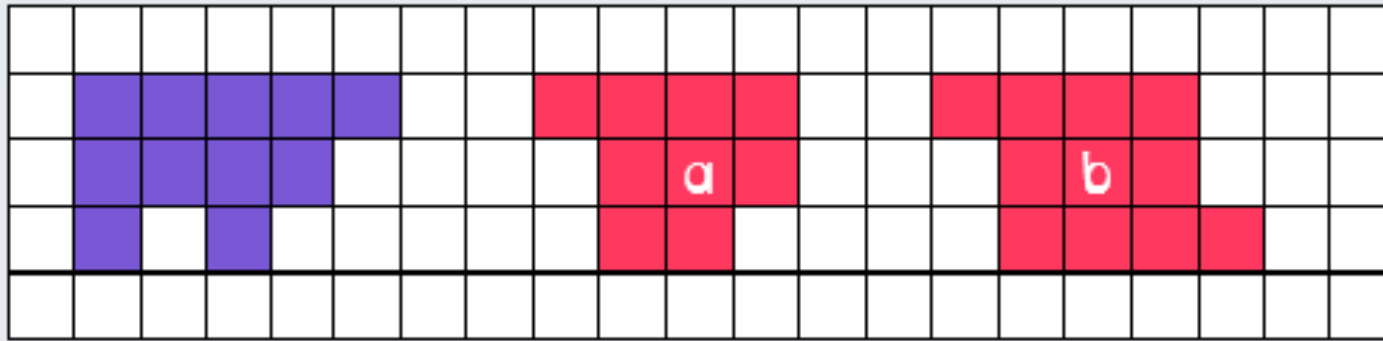


- a) Shade in squares to make a smaller rectilinear shape than the purple shape shown above – it must be made up of a minimum of eight squares. **Example**
- b) Create a rectilinear shape that is equal to the purple shape shown above, but is different to it.

# Fluency

LO: I can compare the area of rectilinear shapes

## Activity 3:

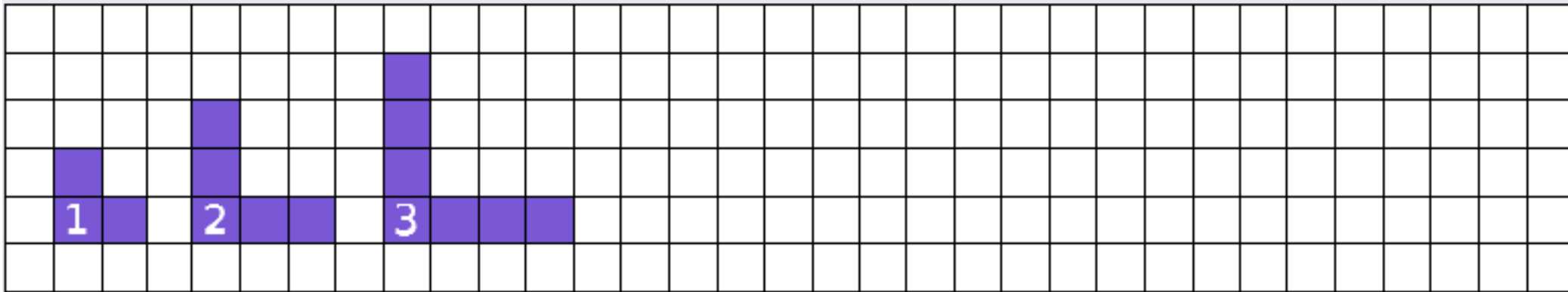


- a) Shade in squares to make a smaller rectilinear shape than the purple shape shown above – it must be made up of a minimum of eight squares. **Example**
- b) Create a rectilinear shape that is equal to the purple shape shown above, but is different to it. **Example**

## Problem Solving

LO:I can compare the area of rectilinear shapes

Look at the shapes below.

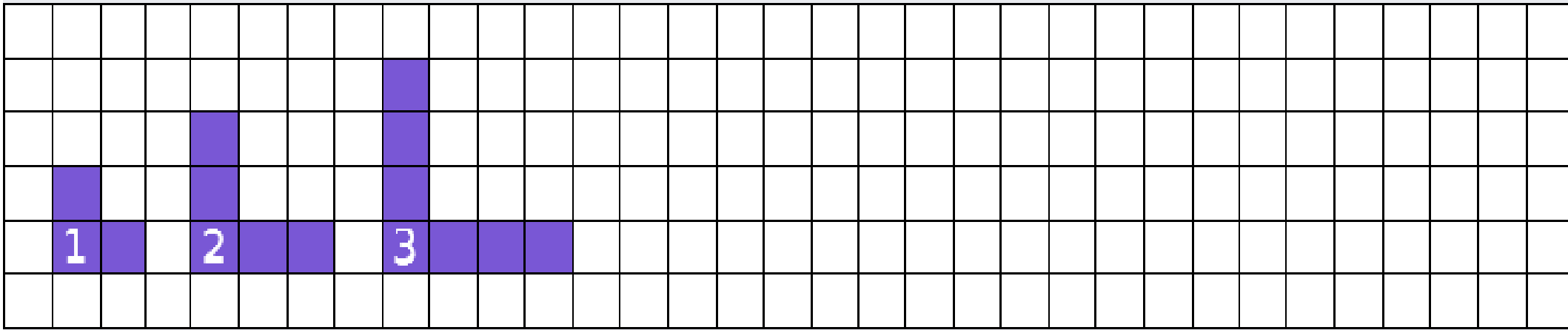


- What is happening in each step?
- What would the next shape look like?

## Problem Solving

LO:I can compare the area of rectilinear shapes

Look at the shapes below.

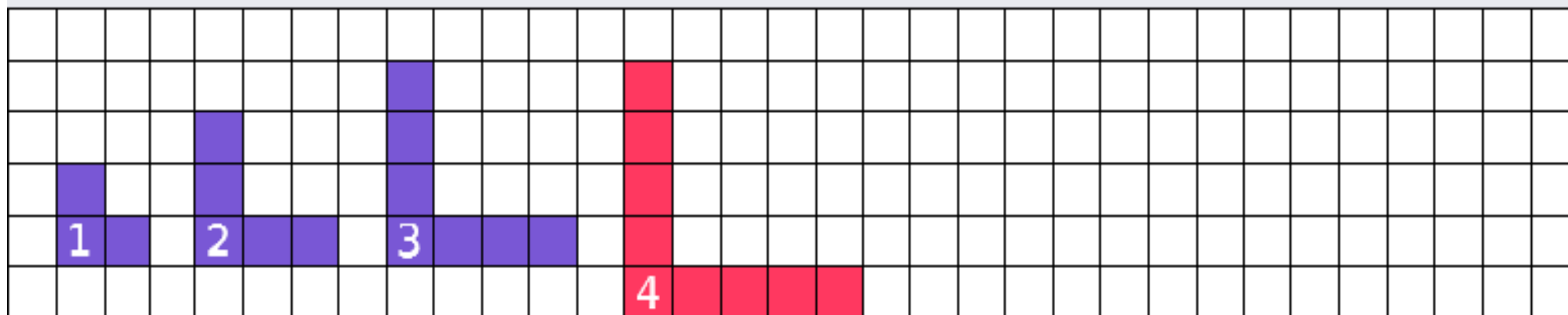


- a) Each shape increases in area by two squares each time.
- b) What would the next shape look like?

# Problem Solving

LO: I can compare the area of rectilinear shapes

Look at the shapes below.



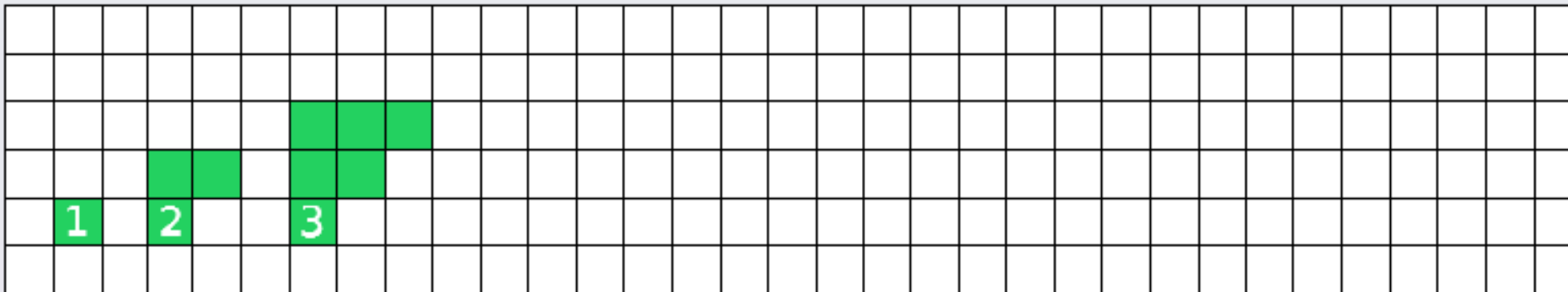
- a) Each shape increases in area by two squares each time.
- b) The fourth shape will be made up of nine squares.

# Problem Solving

LO: I can compare the area of rectilinear shapes

## Activity 4:

Look at the shapes below.



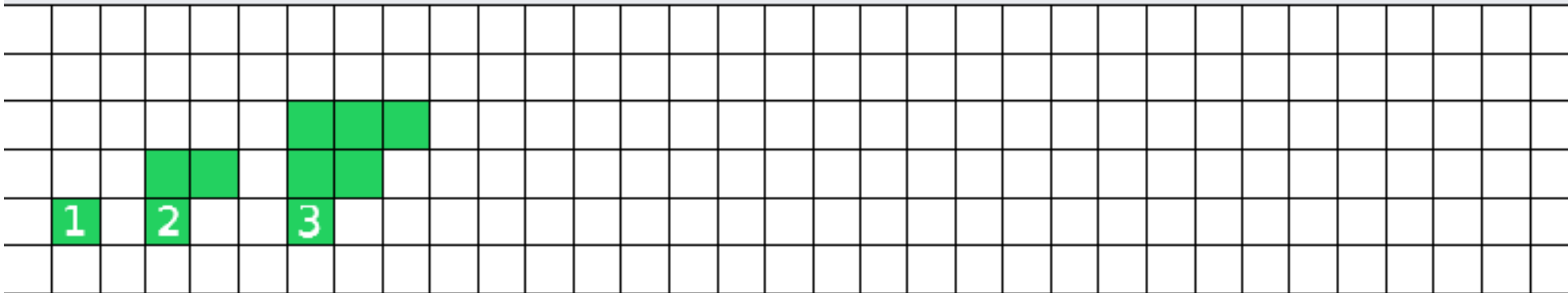
- a) What is happening in each step?
- b) What would the next shape look like?

# Problem Solving

LO: I can compare the area of rectilinear shapes

## Activity 4:

Look at the shapes below.



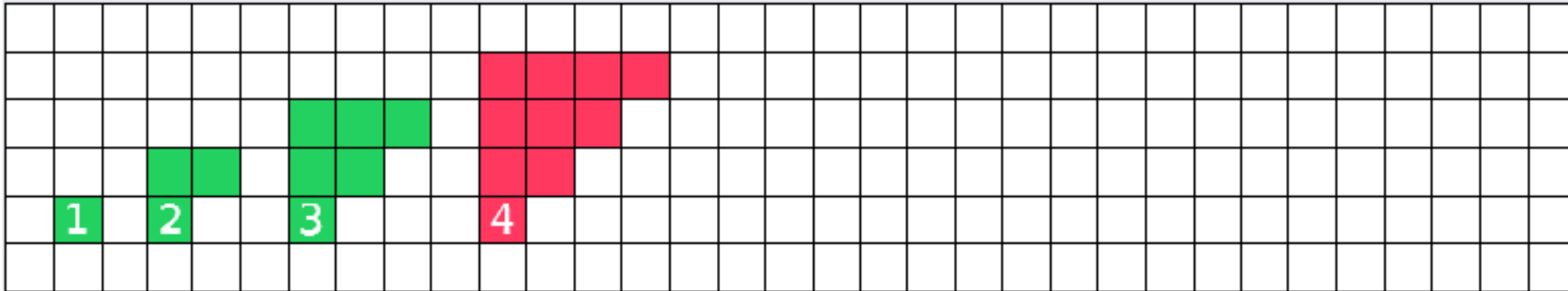
- a) Each shape increases in area by the value of its digit each time.
- b) What would the next shape look like?

## Problem Solving

LO:I can compare the area of rectilinear shapes

## Activity 4:

Look at the shapes below.



- a) Each shape increases in area by the value of its digit each time.
- b) The fourth shape will be made up of ten squares.

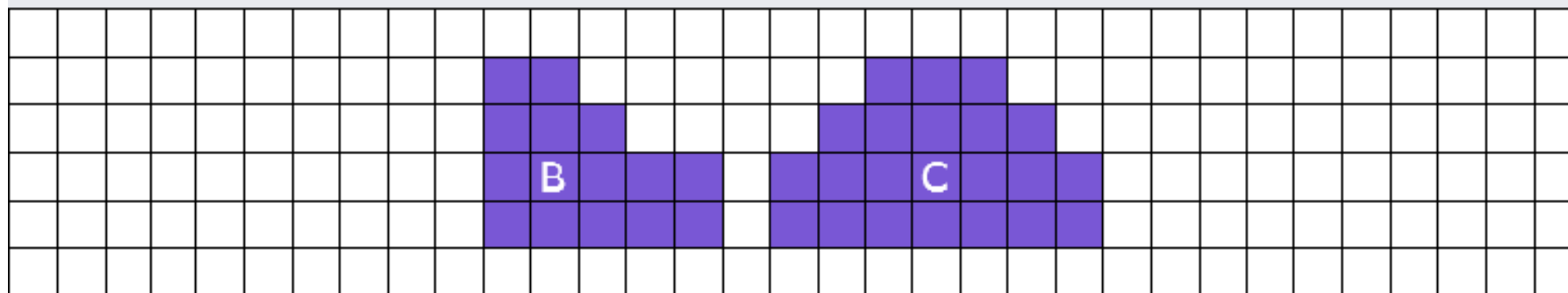


## Problem Solving

LO: I can compare the area of rectilinear shapes

### Activity 5:

Look at the shapes below.



A has a smaller area than B, but has an area of more than 12 squares.

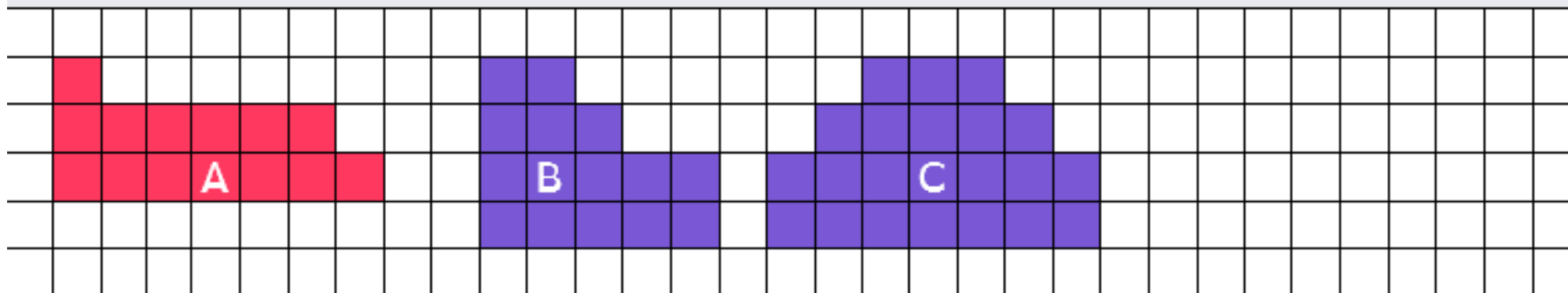
D is a rectangle with an area greater than C, but an area less than 25 squares.

# Problem Solving

LO: I can compare the area of rectilinear shapes

## Activity 5:

Look at the shapes below.



A has a smaller area than B, but has an area of more than 12 squares.

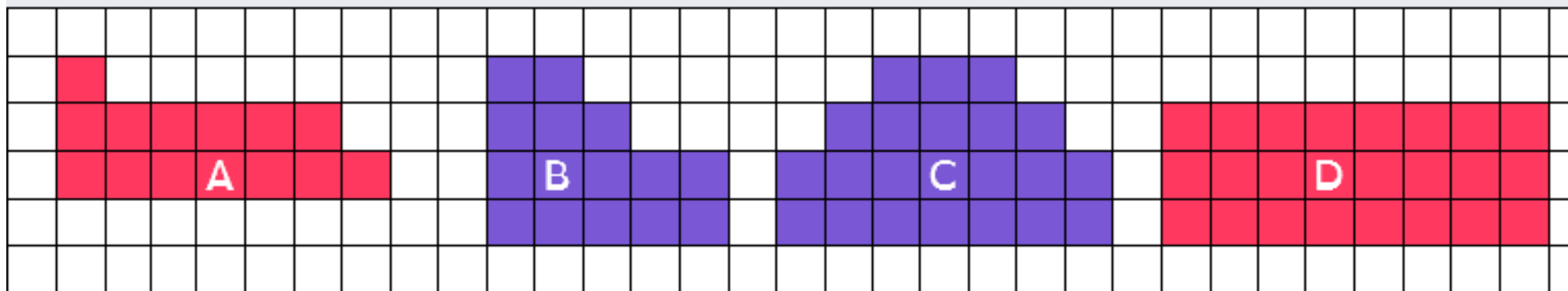
D is a rectangle with an area greater than C, but an area less than 25 squares.

# Problem Solving

LO: I can compare the area of rectilinear shapes

## Activity 5:

Look at the shapes below.



A has a smaller area than B, but has an area of more than 12 squares.

D is a rectangle with an area greater than C, but an area less than 25 squares.

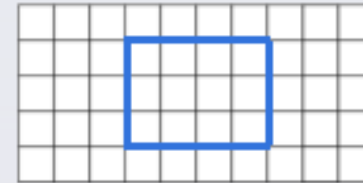
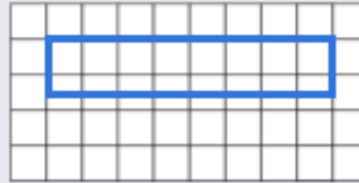
# Reasoning

LO: I can compare the area of rectilinear shapes

Evaluation:



The right-hand shape is larger as it is made up of whole squares.



Is Astrobee's statement true or false?  
Explain your answer.

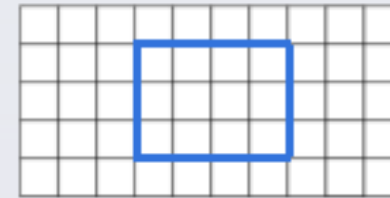
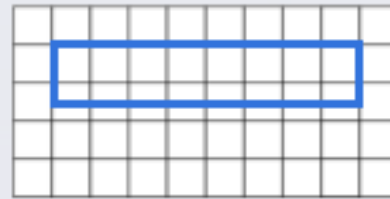
# Reasoning

LO: I can compare the area of rectilinear shapes

Evaluation:



The right-hand shape is larger as it is made up of whole squares.



Astrobee's statement is false. Both shapes share the same area of twelve squares. The left-hand shape is made up of eight whole squares and eight half squares. The right-hand shape is made up of three rows of four squares.