

# Tuesday 30th June

## Year 5: Reflection Year 6: Reflections

## Introduction

**Plot the coordinates on the grid to create a shape and its reflection.**

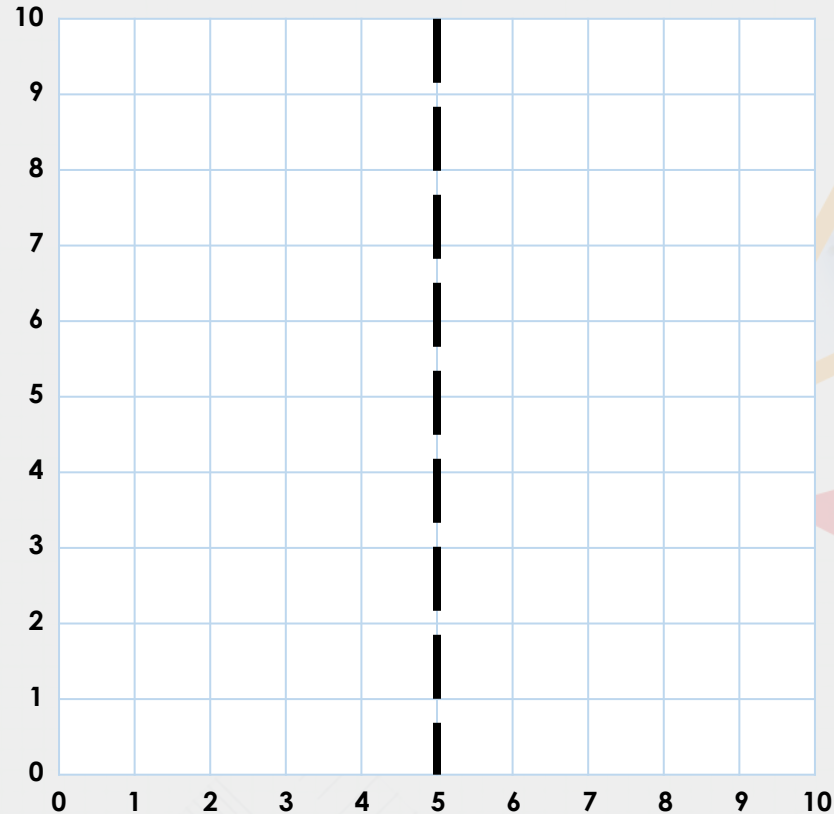
**Shape:**

**(4, 7)**

**(2, 7)**

**(1, 3)**

**(3, 3)**



**Reflection:**

**(6, 7)**

**(8, 7)**

**(9, 3)**

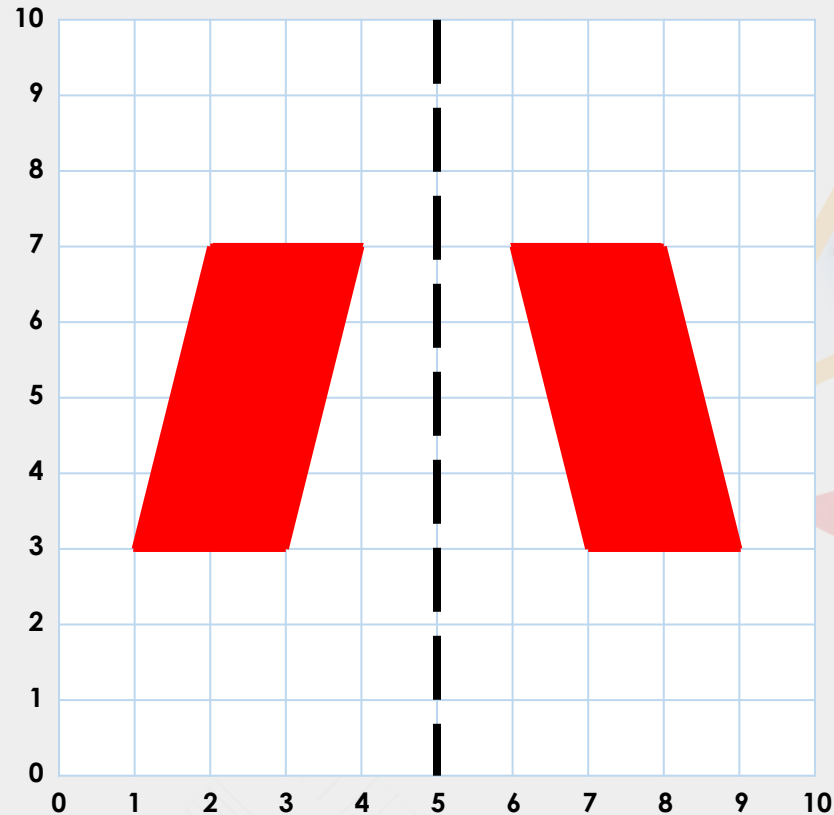
**(7, 3)**

## Introduction

Plot the coordinates on the grid to create a shape and its reflection.

**Shape:**

(4, 7)  
(2, 7)  
(1, 3)  
(3, 3)



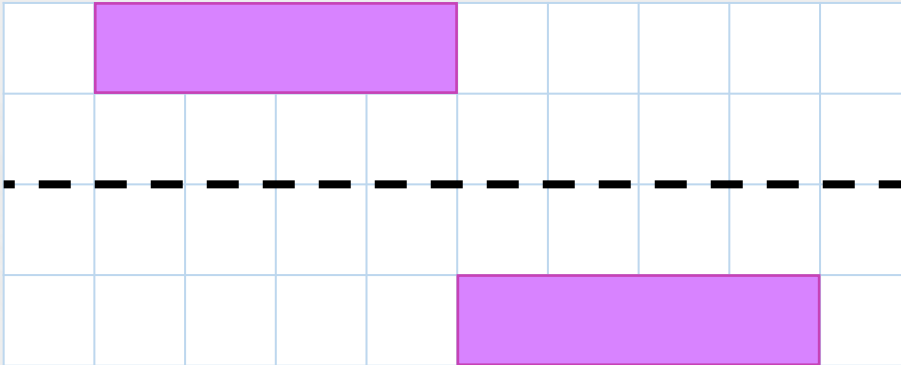
**Reflection:**

(6, 7)  
(8, 7)  
(9, 3)  
(7, 3)

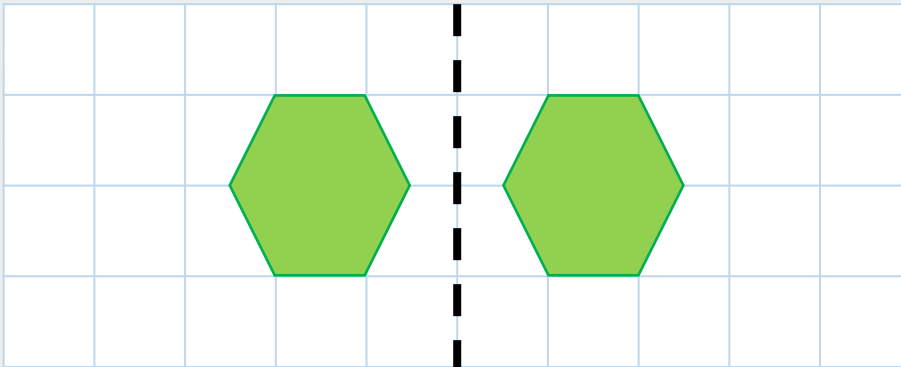
## Varied Fluency 1

Are the reflected images correct or incorrect?

A.



B.

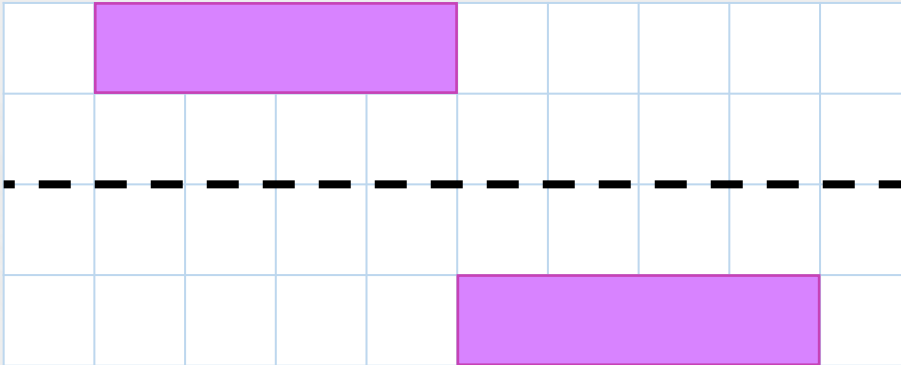




## Varied Fluency 1

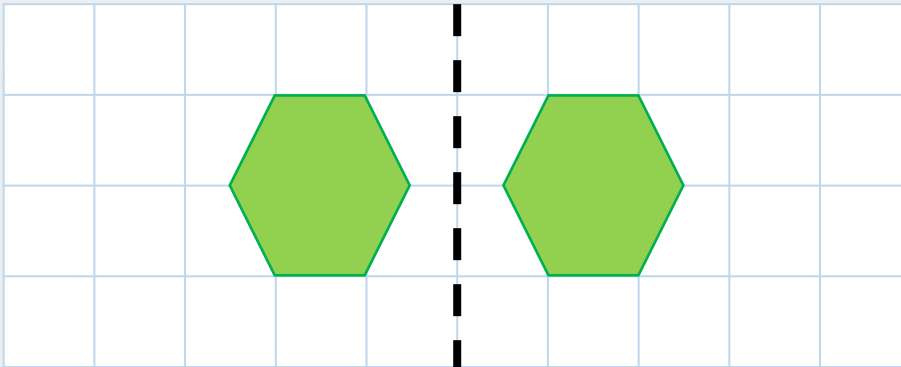
Are the reflected images correct or incorrect?

A.



Shape A is  
incorrect.

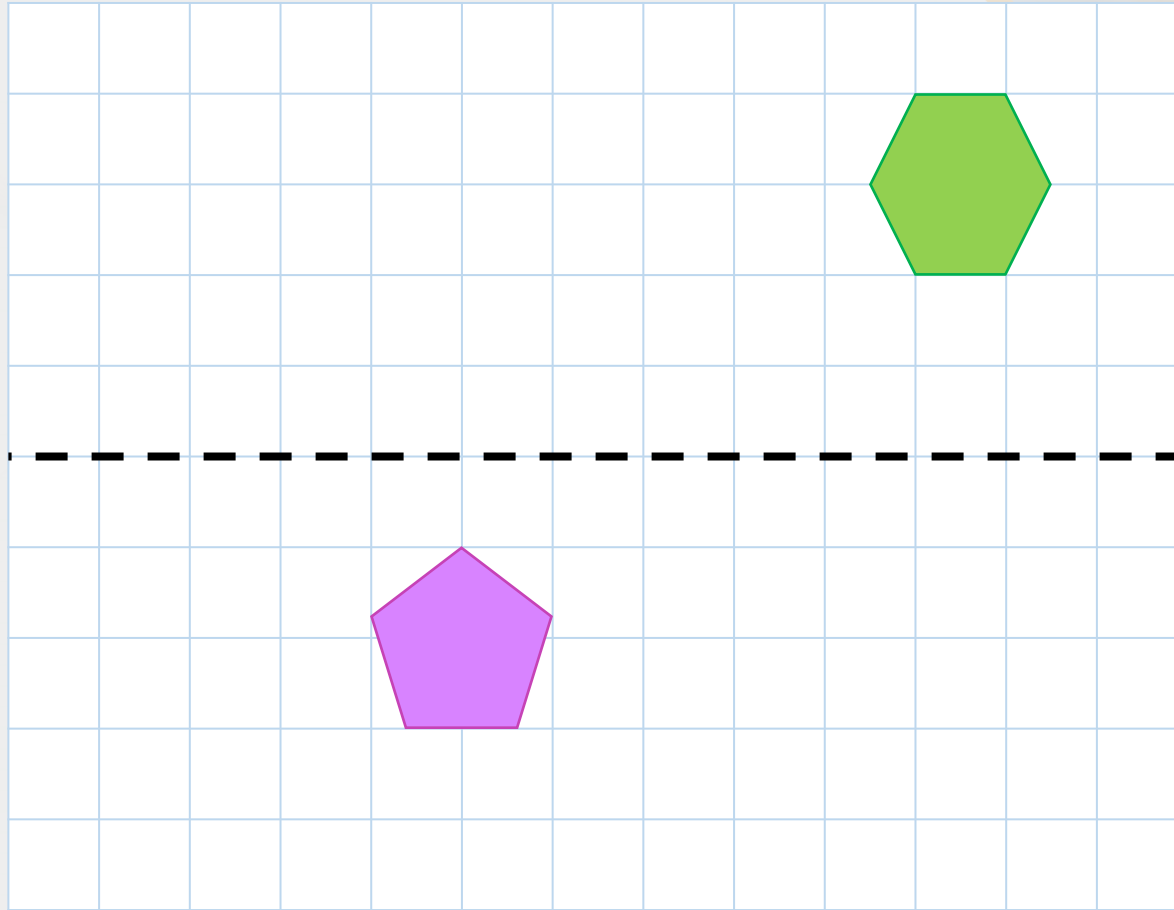
B.



Shape B is  
correct.

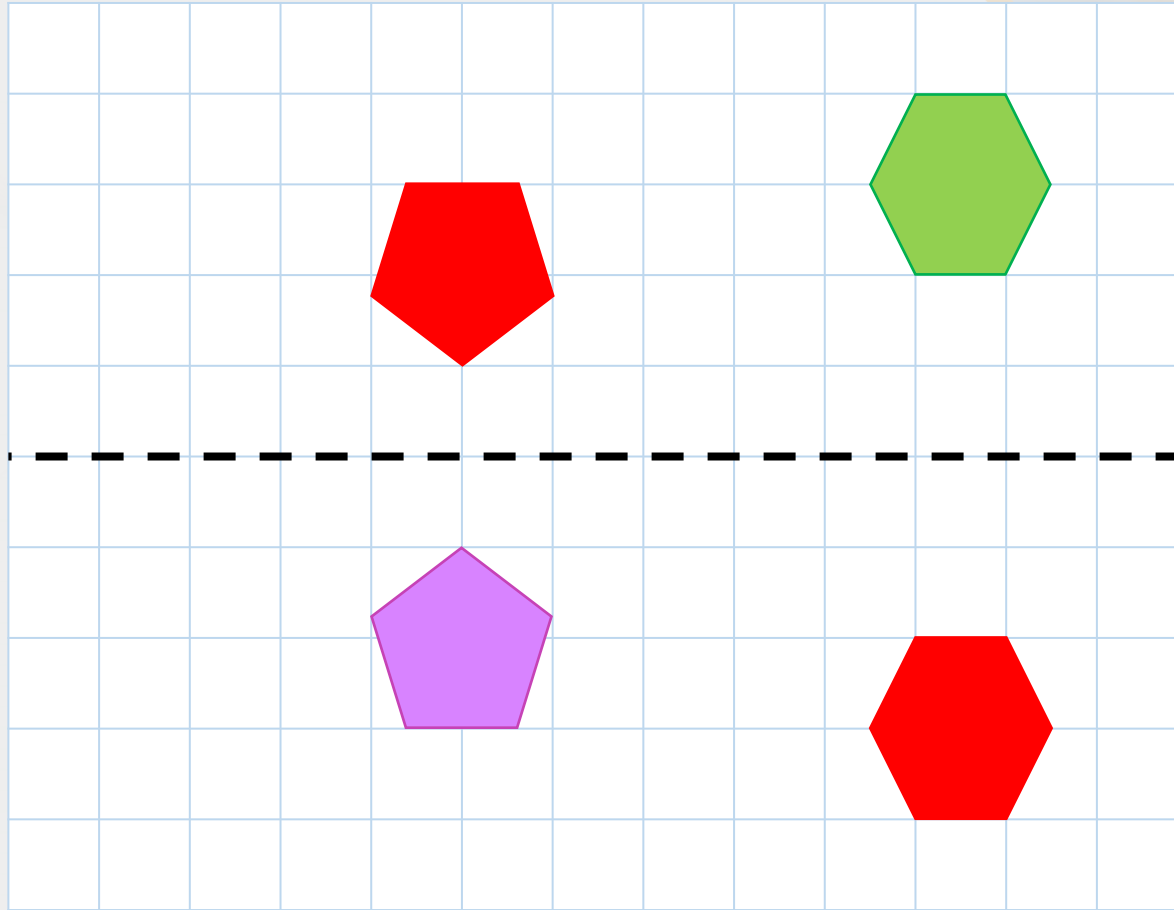
## Varied Fluency 2

**Reflect the shapes in the mirror line.**



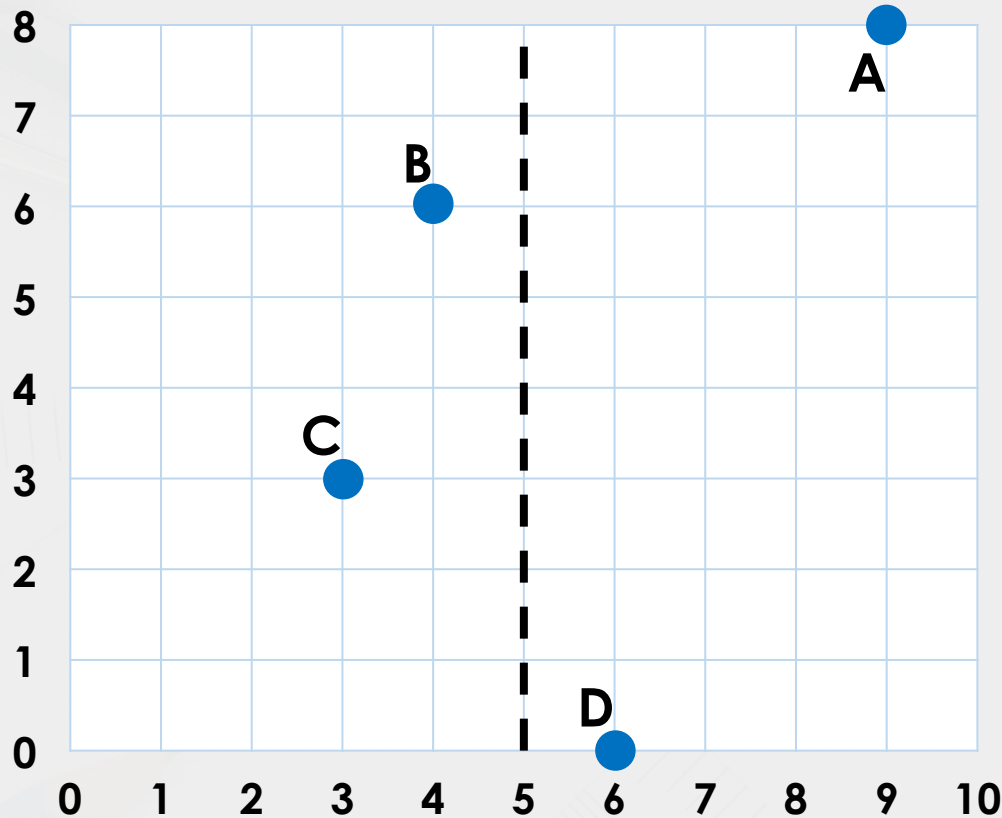
## Varied Fluency 2

**Reflect the shapes in the mirror line.**



### Varied Fluency 3

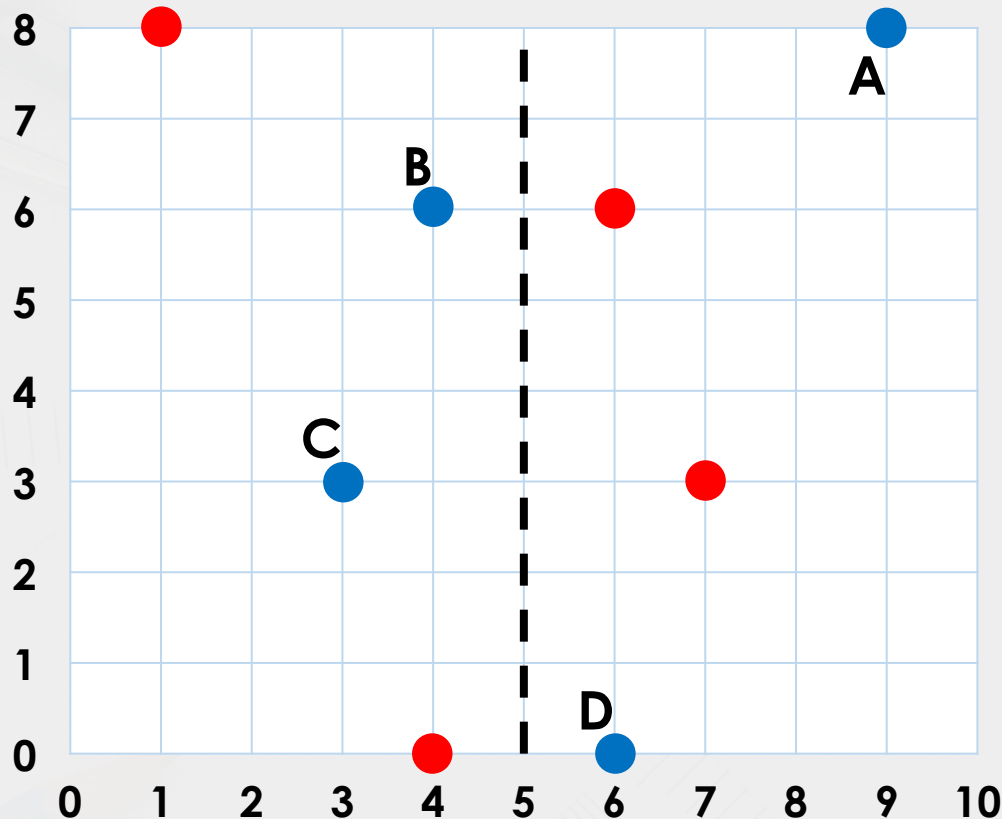
**Reflect the points in the mirror line.  
Write the coordinates of the reflected points.**





### Varied Fluency 3

**Reflect the points in the mirror line.  
Write the coordinates of the reflected points.**

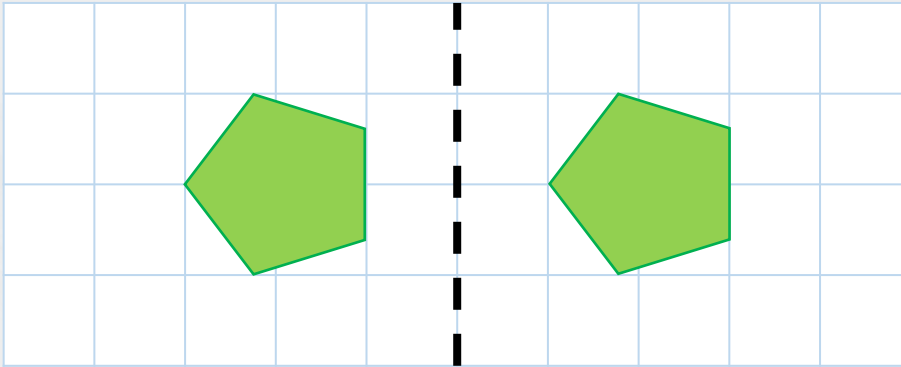


**A: (1, 8)**  
**B: (6, 6)**  
**C: (7, 3)**  
**D: (4, 0)**

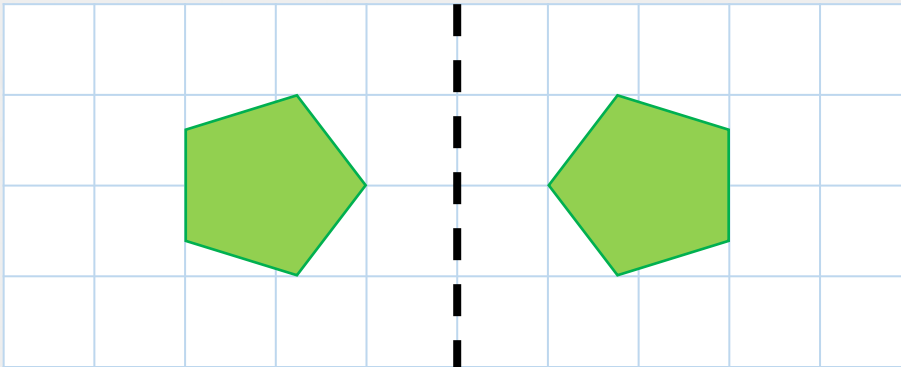
## Varied Fluency 4

Tick the image showing the correct reflection.

A.



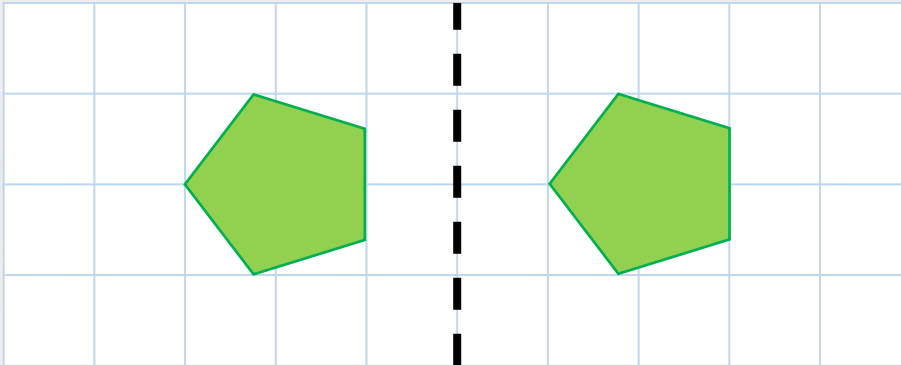
B.



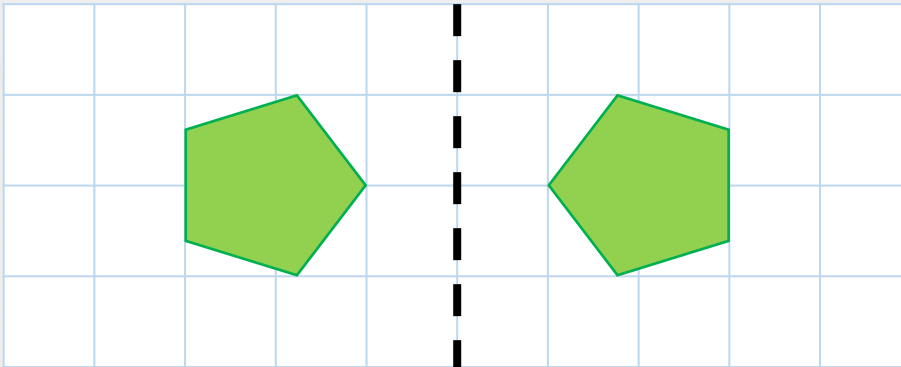
## Varied Fluency 4

Tick the image showing the correct reflection.

A.



B.

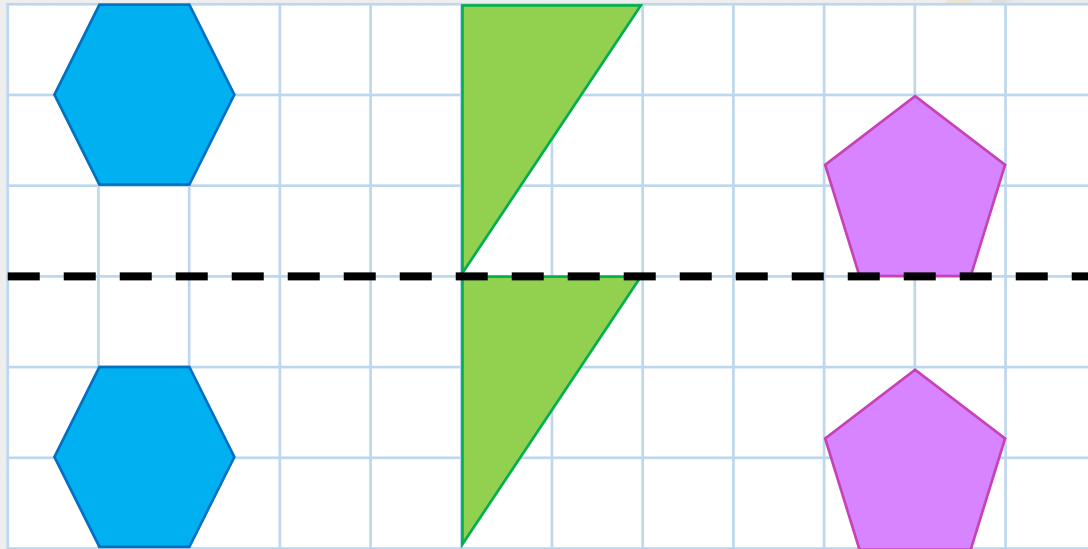


## Reasoning 1

Susan has reflected three shapes.



I've reflected by making sure the shapes in the same place in the mirror line.



Do you agree? Explain your answer.

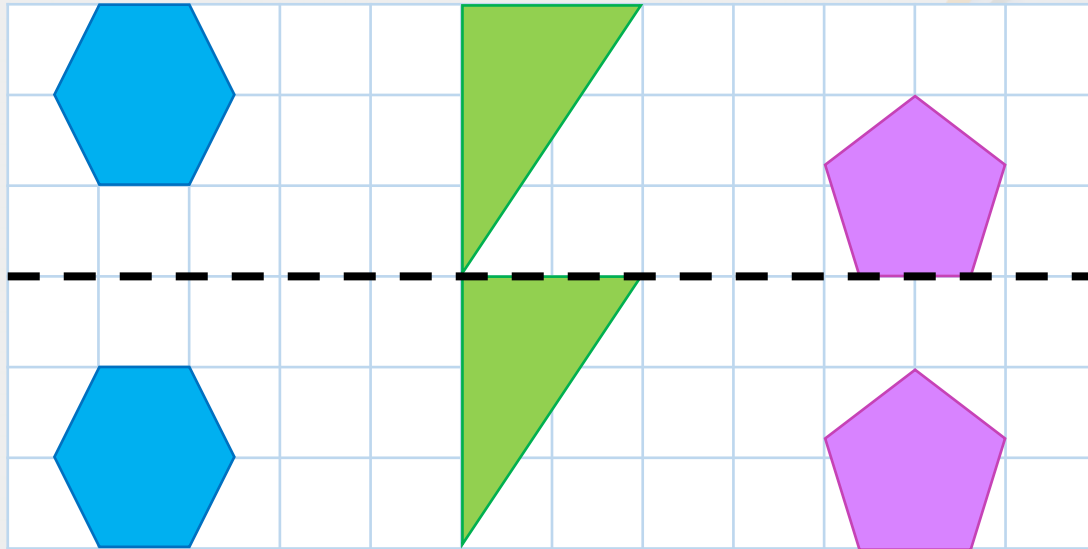


## Reasoning 1

Susan has reflected three shapes.



I've reflected by making sure the shapes in the same place in the mirror line.



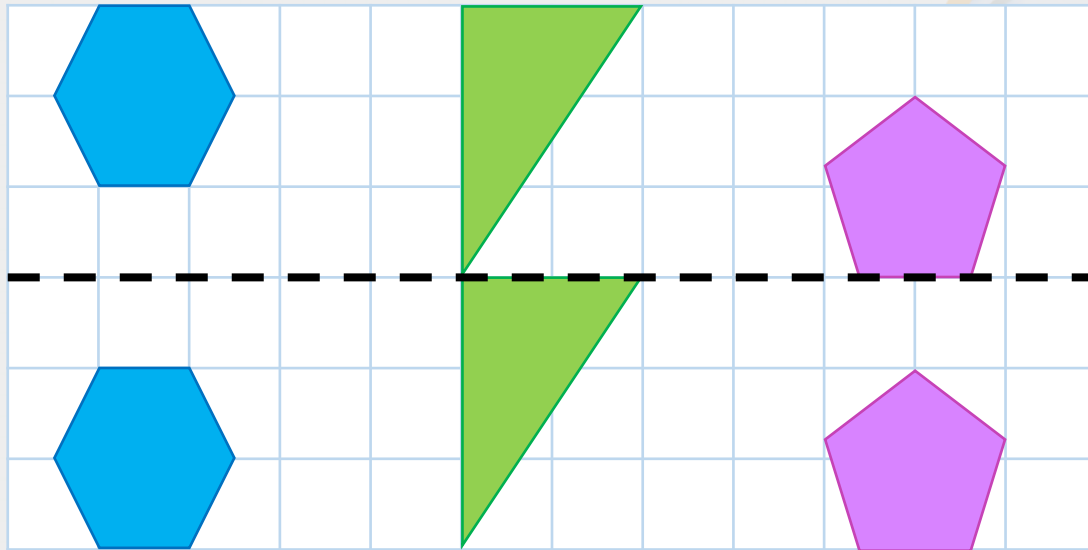
Do you agree? Explain your answer.  
Susan is incorrect because...

## Reasoning 1

Susan has reflected three shapes.



I've reflected by making sure the shapes in the same place in the mirror line.



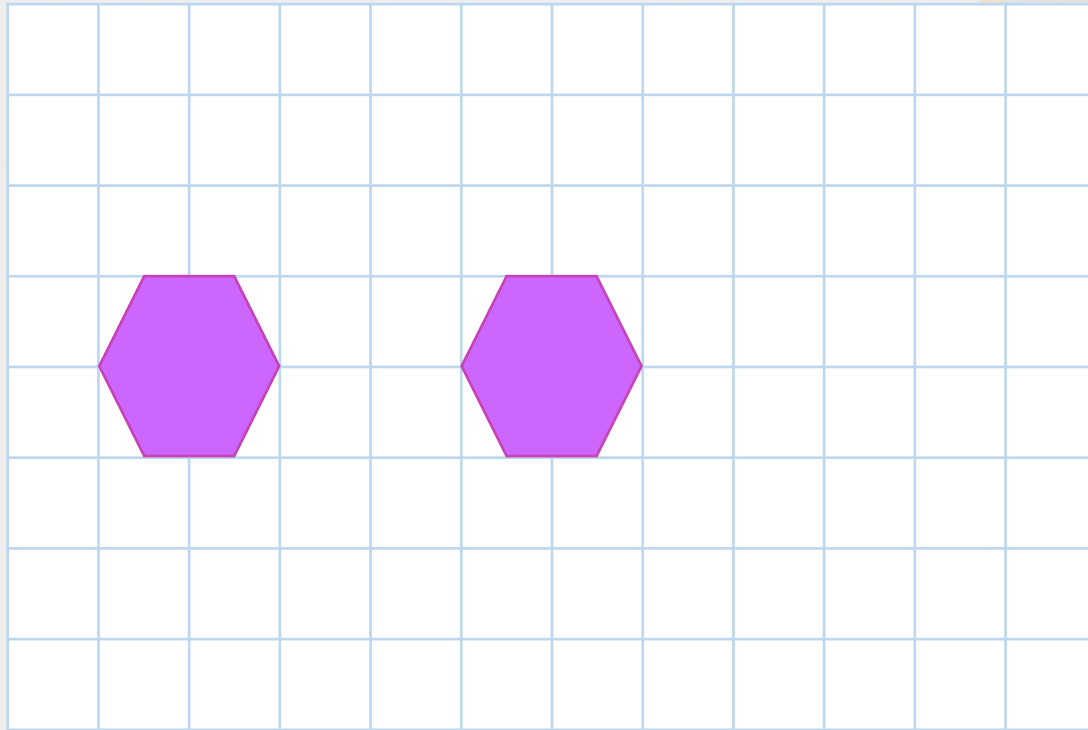
Do you agree? Explain your answer.

**Susan is incorrect because although it works for the hexagon, the other two shapes have only been moved, not reflected.**

Y5

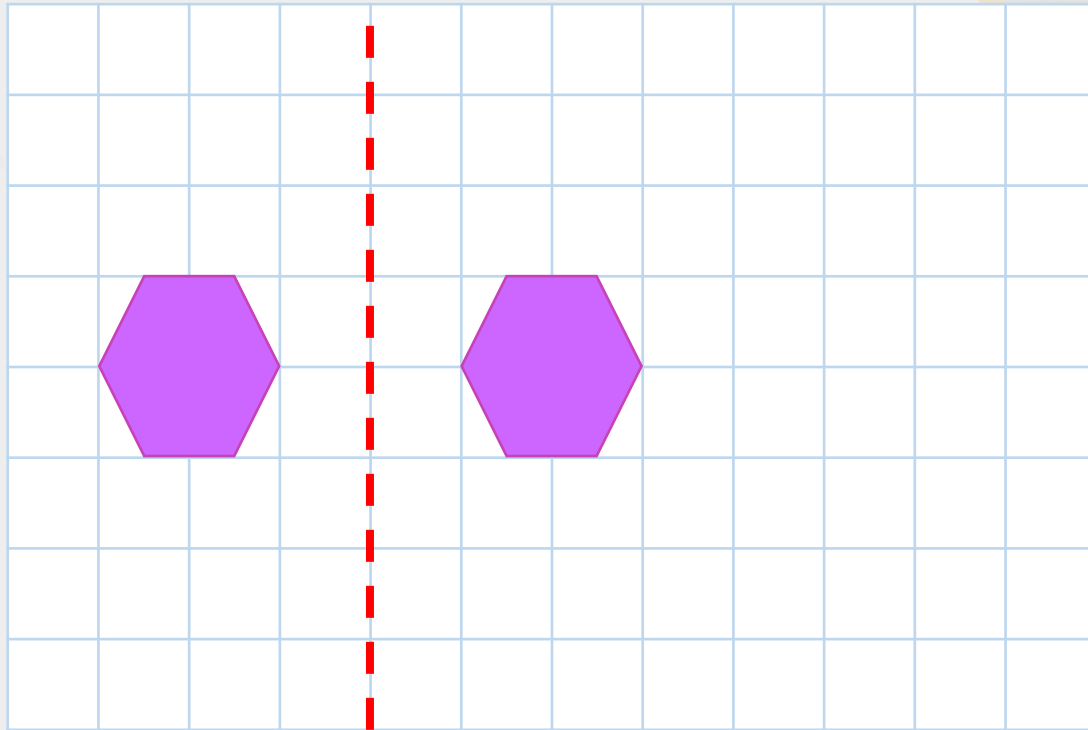
## Problem Solving 1

**Draw the mirror line so that the reflection is accurate.**



## Problem Solving 1

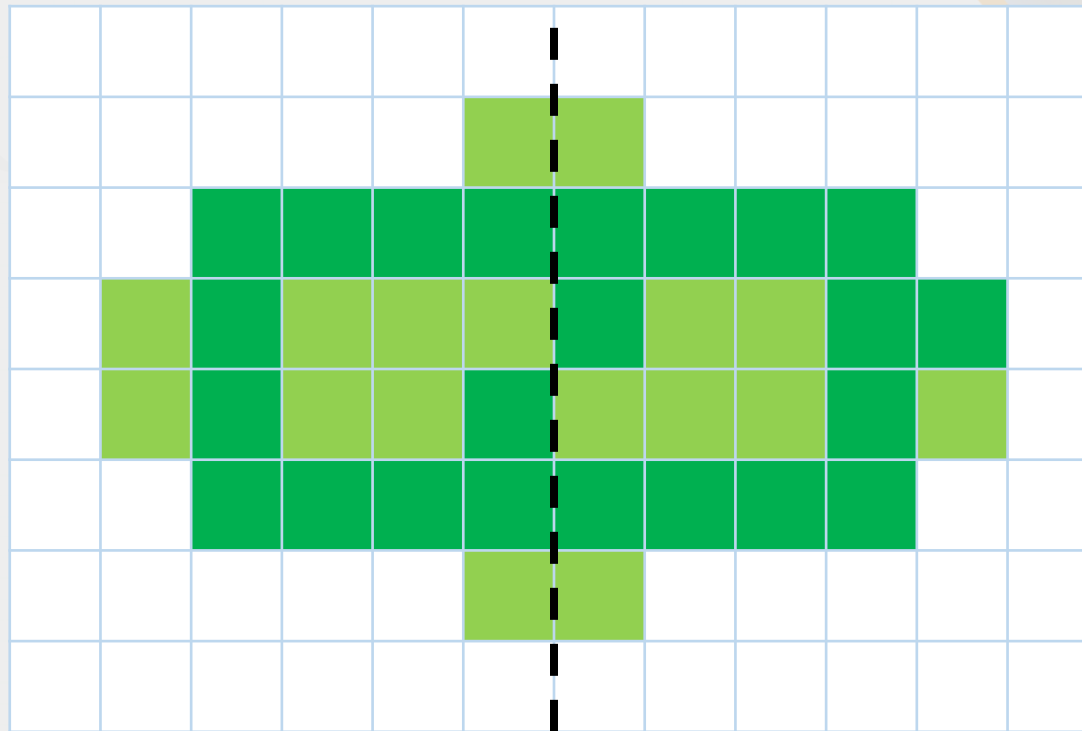
**Draw the mirror line so that the reflection is accurate.**





## Problem Solving 2

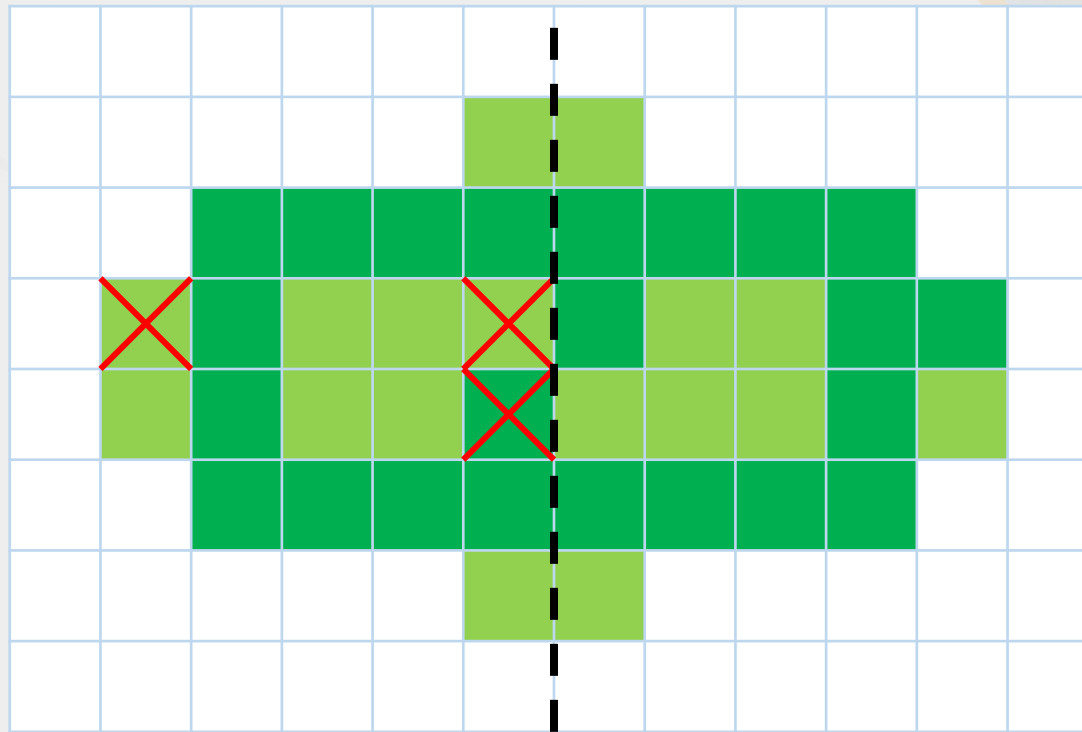
Put a cross on the mistakes in the reflection below.



*reflection*

## Problem Solving 2

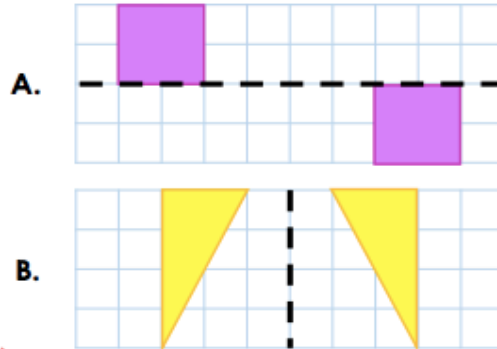
Put a cross on the mistakes in the reflection below.



reflection

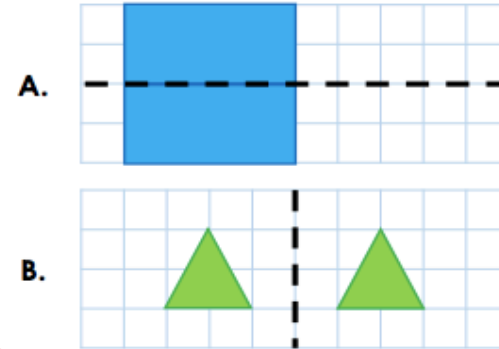
# Year 5 Developing

1a. Are the reflected images correct or incorrect?



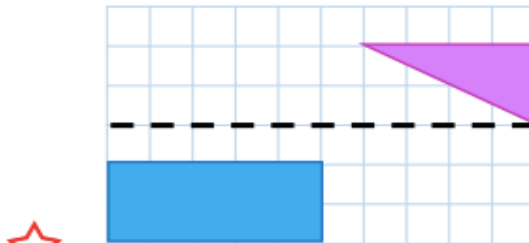
5 VF

1b. Are the reflected images correct or incorrect?



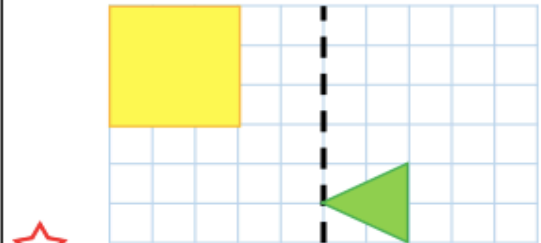
5 VF

2a. Reflect the shapes in the mirror line.



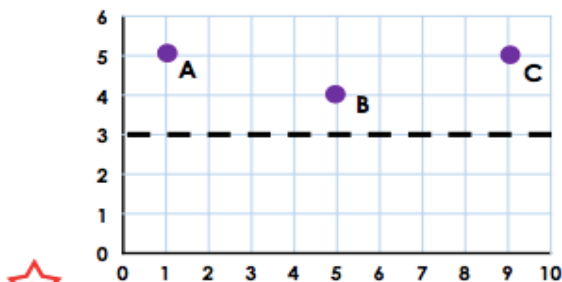
5 VF

2b. Reflect the shapes in the mirror line.



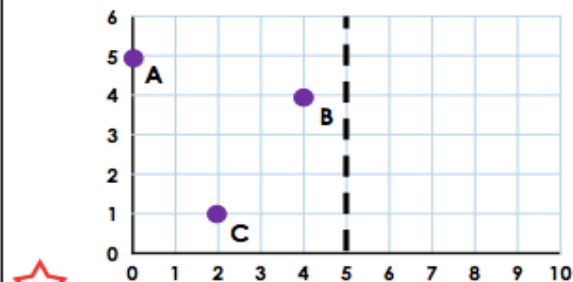
5 VF

3a. Reflect the points in the mirror line. Write the coordinates of the reflected points.



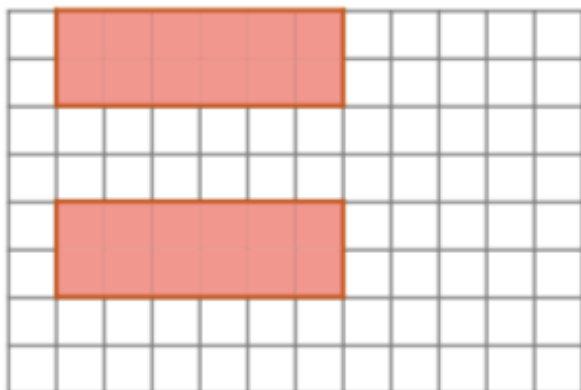
5 VF

3b. Reflect the points in the mirror line. Write the coordinates of the reflected points.



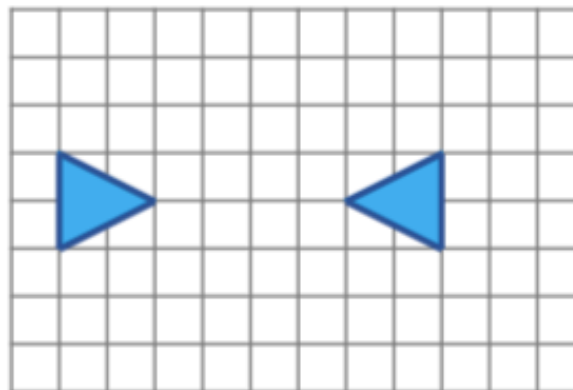
5 VF

2a. Draw the mirror line so that the reflection is accurate.



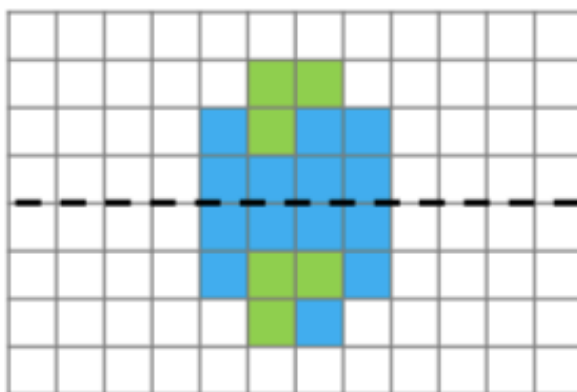
5 PS

2b. Draw the mirror line so that the reflection is accurate.



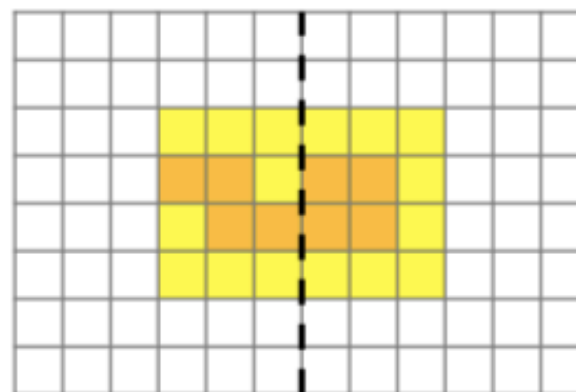
5 PS

3a. Put a cross on the mistakes in the reflection below.



*reflection*

3b. Put a cross on the mistakes in the reflection below.

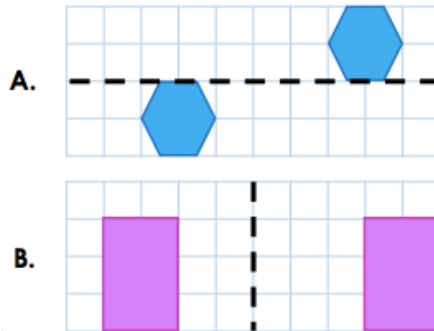


*reflection*



# Year 5 Expected

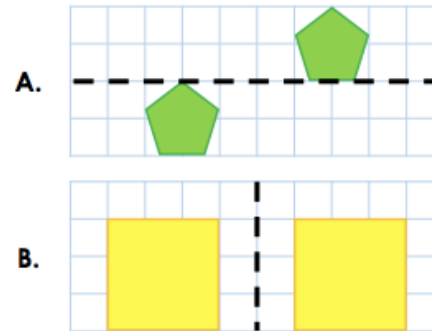
5a. Are the reflected images correct or incorrect?



5 VF

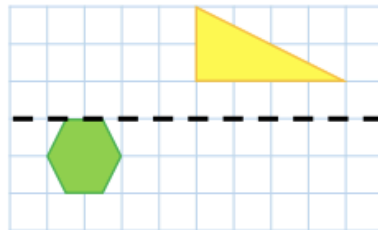


5b. Are the reflected images correct or incorrect?



5 VF

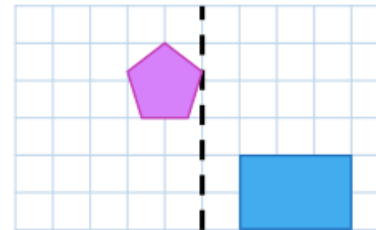
6a. Reflect the shapes in the mirror line.



5 VF

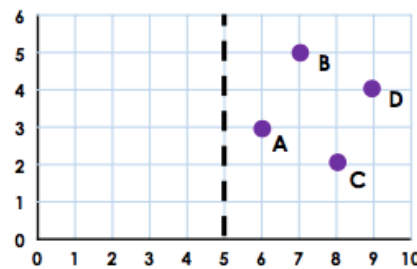


6b. Reflect the shapes in the mirror line.



5 VF

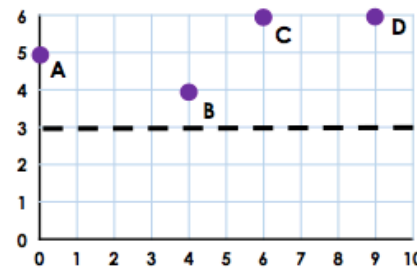
7a. Reflect the points in the mirror line. Write the coordinates of the reflected points.



5 VF



7b. Reflect the points in the mirror line. Write the coordinates of the reflected points.

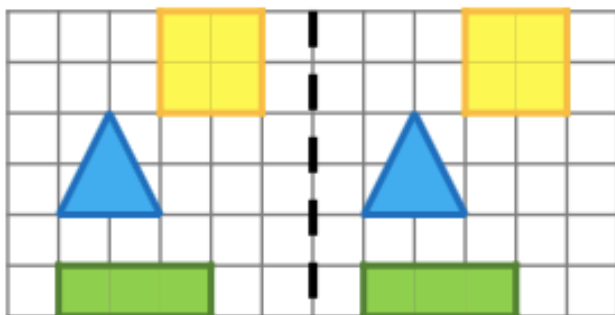


5 VF

4a. Raj has reflected three shapes.



I've reflected by copying the shapes on the other side of the mirror line.



Do you agree? Explain your answer.

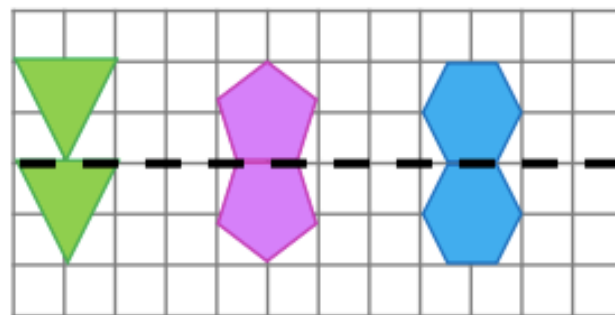


5 R

4b. Sonny has reflected three shapes.



I've reflected by making sure the shapes touch at the mirror line.

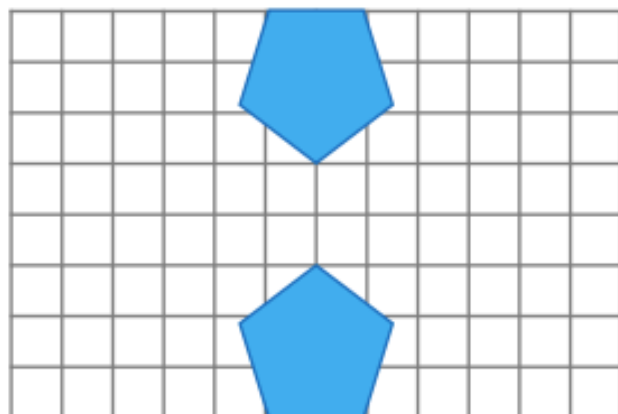


Do you agree? Explain your answer.

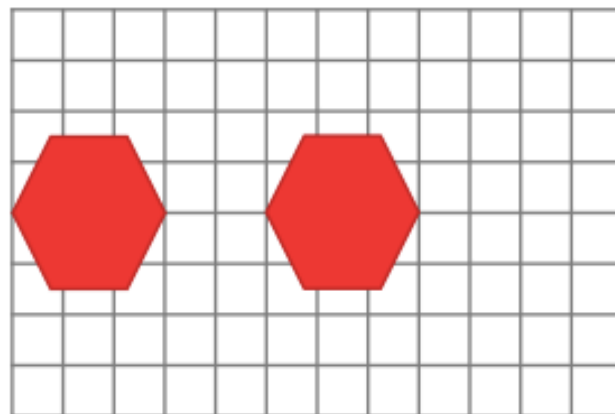


5 R

5a. Draw the mirror line so that the reflection is accurate.

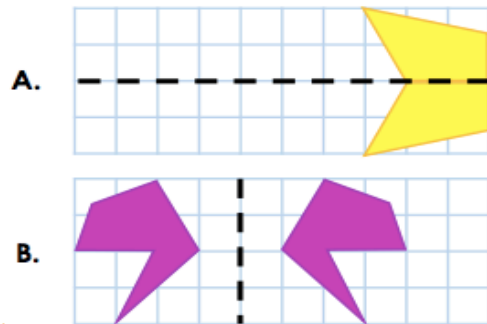


5b. Draw the mirror line so that the reflection is accurate.



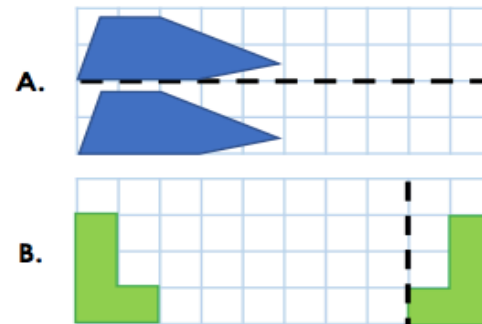
# Year 5 Greater Depth

9a. Are the reflected images correct or incorrect?



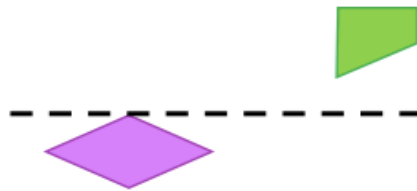
5 VF

9b. Are the reflected images correct or incorrect?



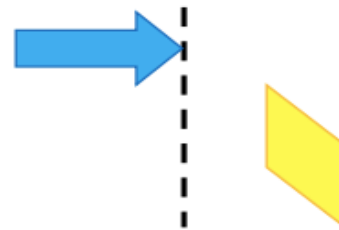
5 VF

10a. Reflect the shapes in the mirror line.



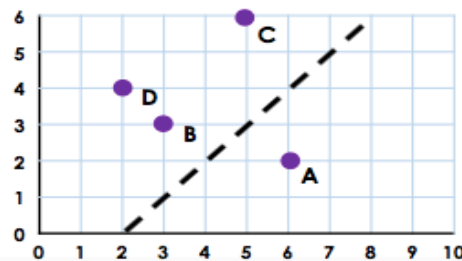
5 VF

10b. Reflect the image in the mirror line.



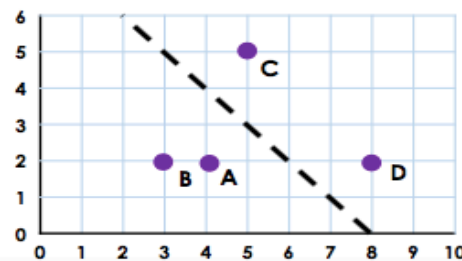
5 VF

11a. Reflect the points in the mirror line. Write the coordinates of the reflected points.



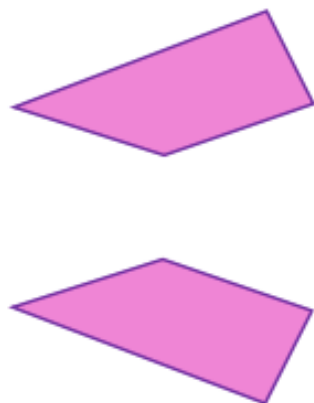
5 VF

11b. Reflect the points in the mirror line. Write the coordinates of the reflected points.



5 VF

8a. Draw the mirror line so that the reflection is accurate.



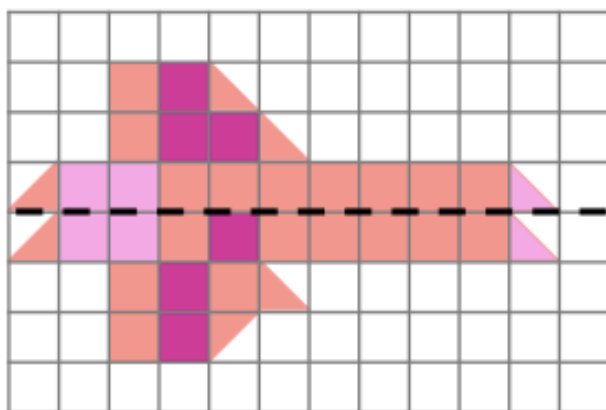
5 PS

8b. Draw the mirror line so that the reflection is accurate.



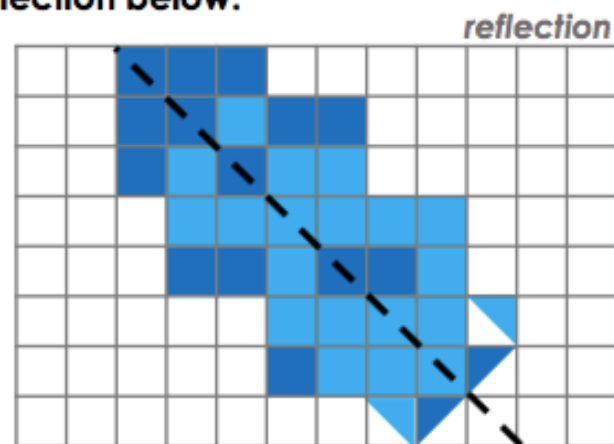
5 PS

9a. Put a cross on the mistakes in the reflection below.



*reflection*

9b. Put a cross on the mistakes in the reflection below.



*reflection*