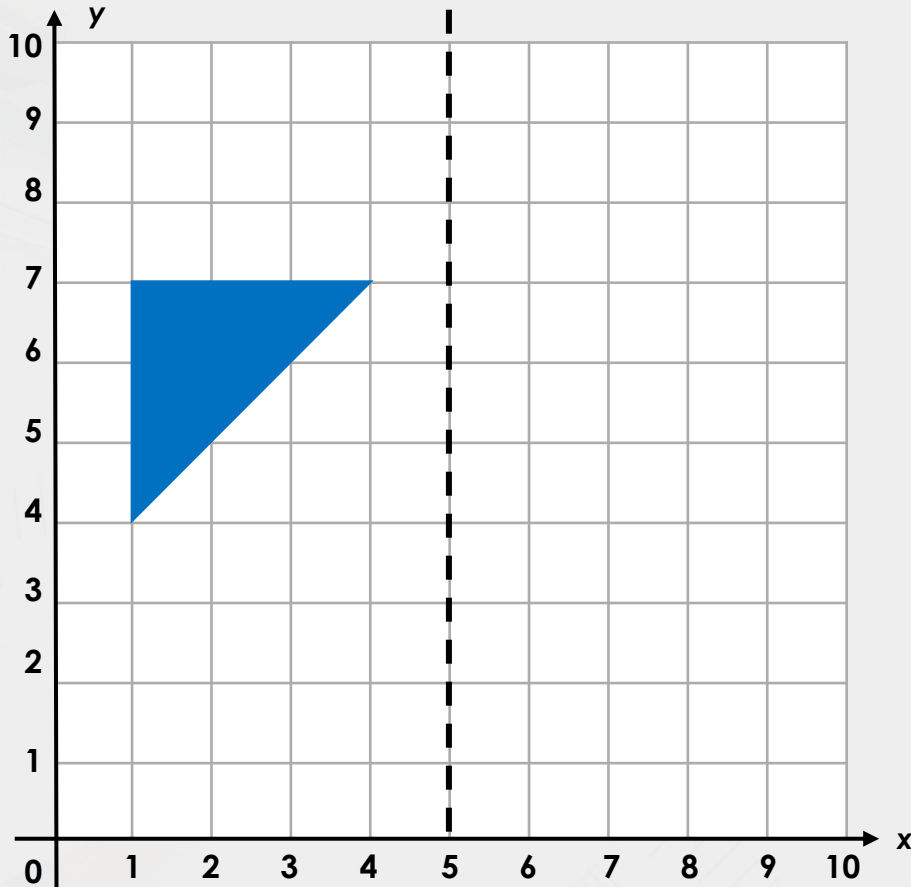


Thursday 2nd July

Year 5: Translation

Introduction

True or false?



The coordinates of the reflected shape will be:

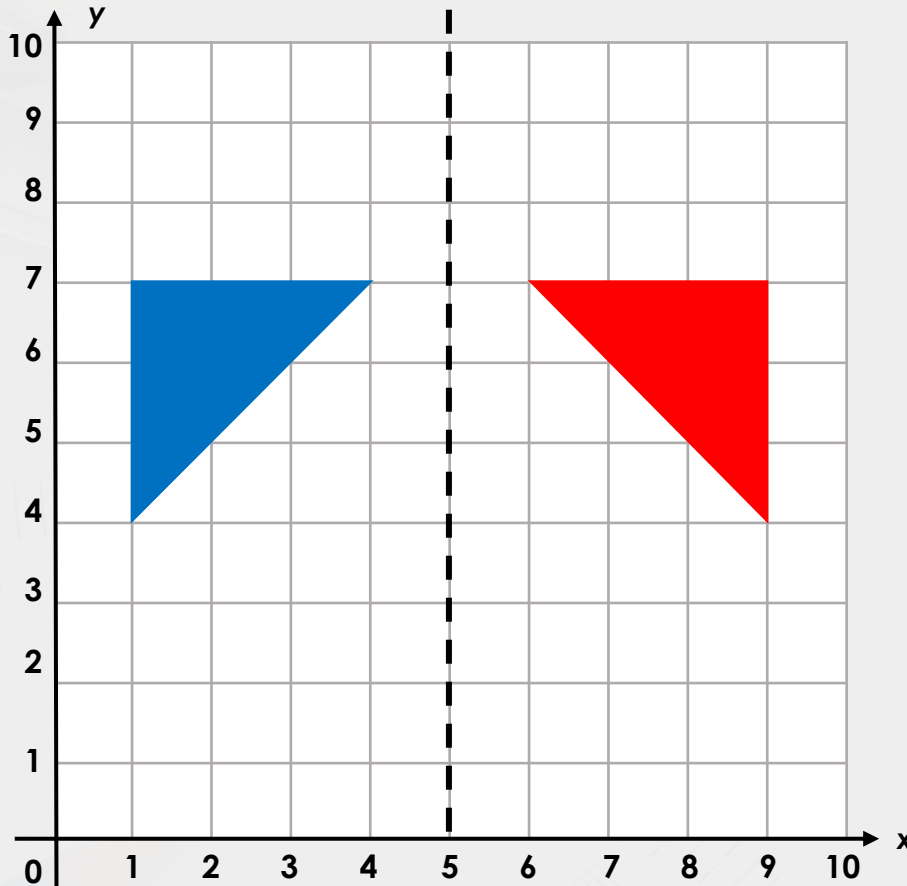
6, 7

9, 7

4, 9

Introduction

True or false?



The coordinates of the reflected shape will be:

6, 7

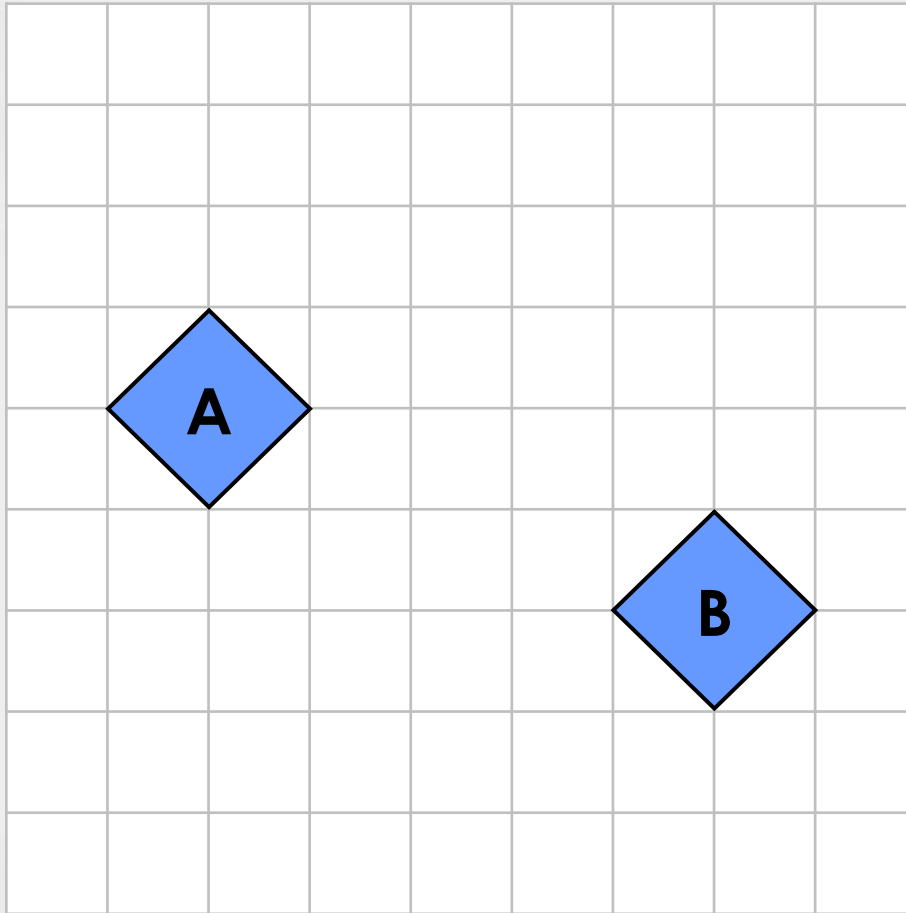
9, 7

4, 9

False. The coordinate 4, 9 should be 9, 4.

Varied Fluency 1

Tick the translation from shape A to shape B.

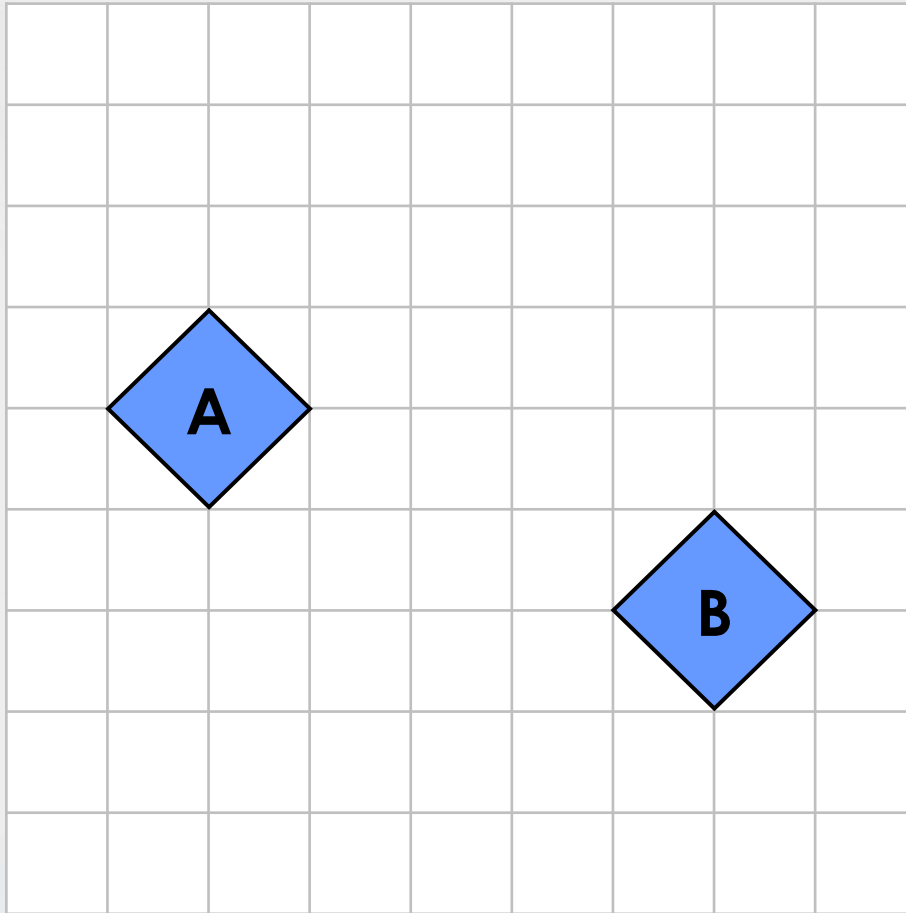


☐ 5 right, 3 down

☐ 5 right, 2 down

Varied Fluency 1

Tick the translation from shape A to shape B.

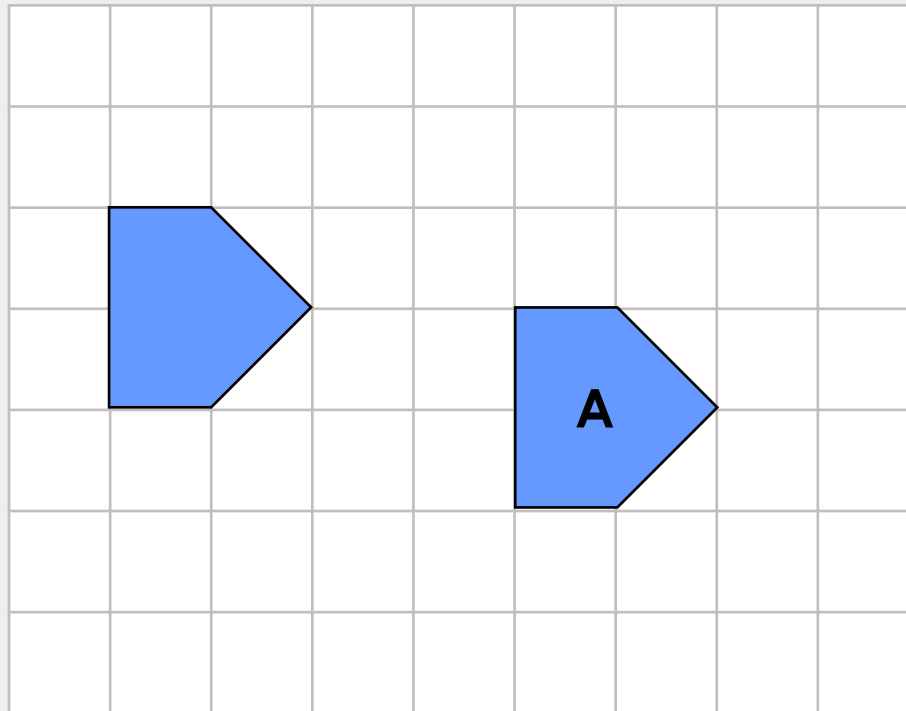


☐ 5 right, 3 down

☒ 5 right, 2 down

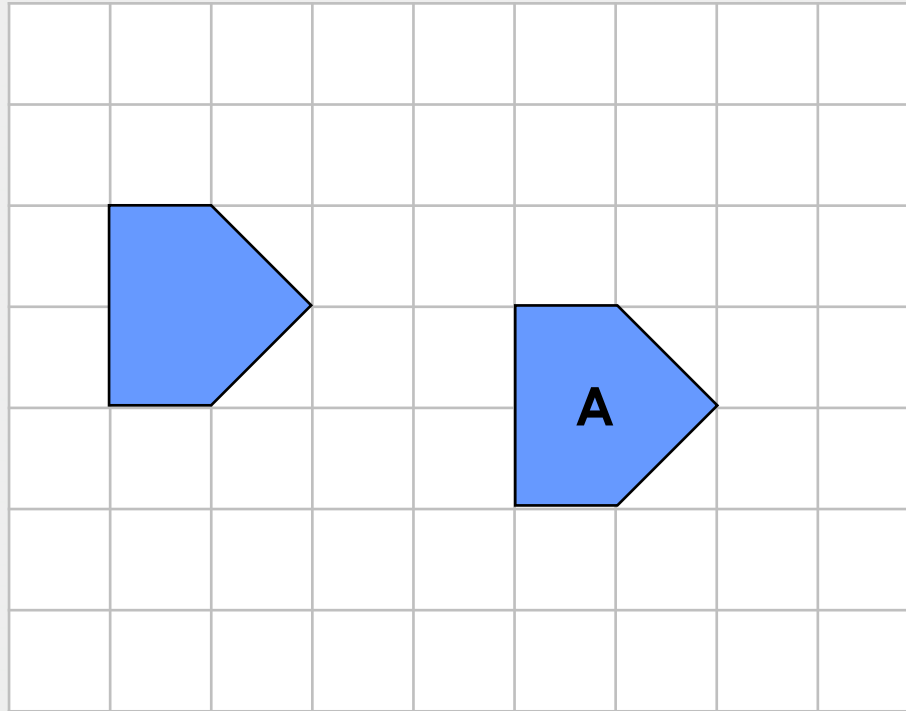
Varied Fluency 2

True or false?
Shape A has been translated 4 right, 1 down.



Varied Fluency 2

True or false?
Shape A has been translated 4 right, 1 down.

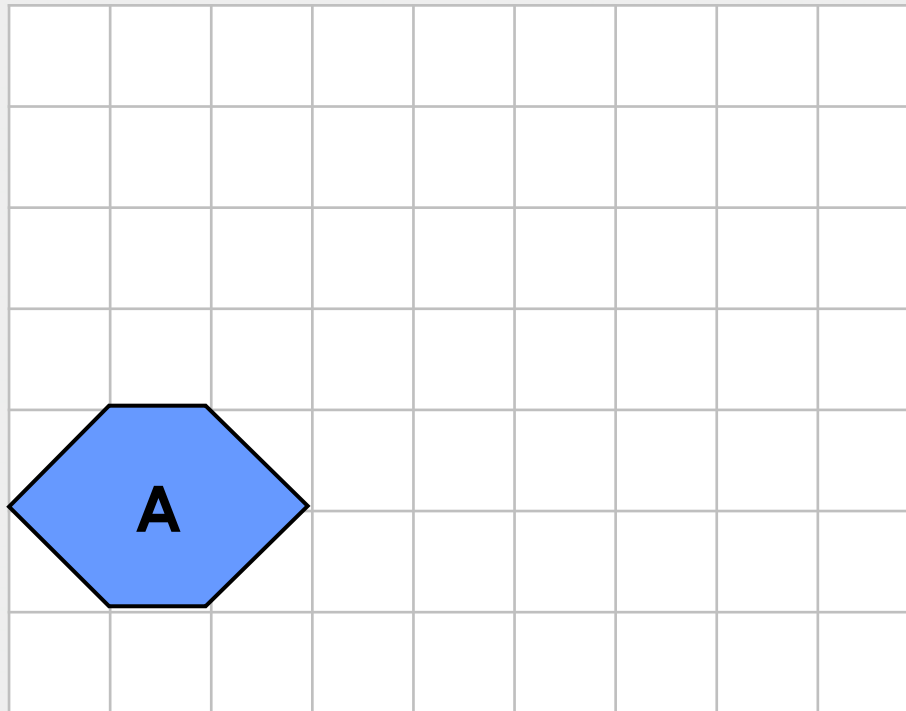


False, it has been translated 4 left and 1 up.

Varied Fluency 3

Translate shape A 1 right, 4 up.

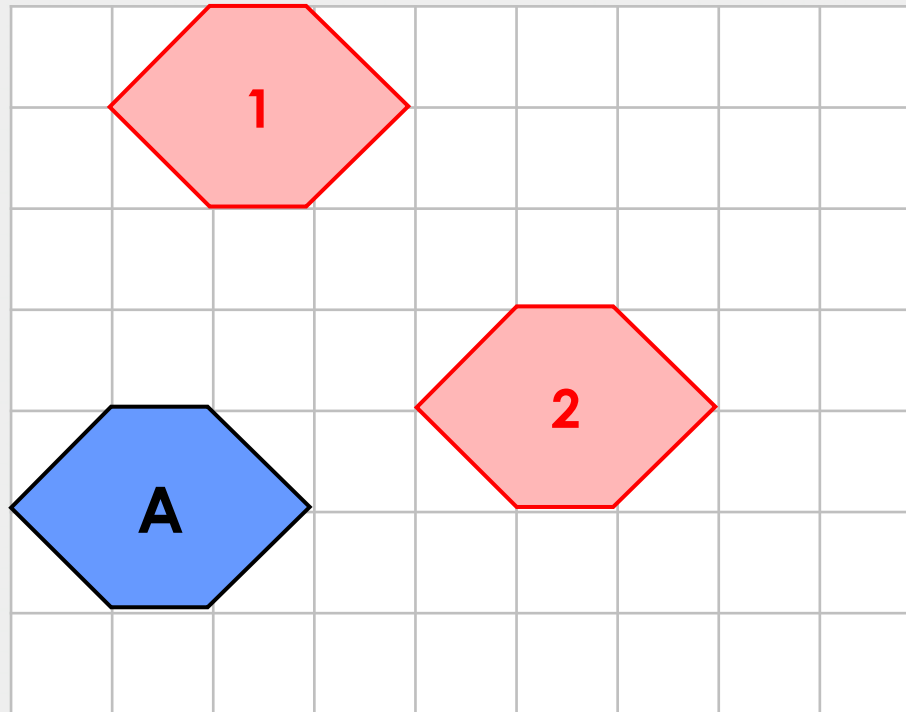
Then translate shape A 4 right, 1 up.



Varied Fluency 3

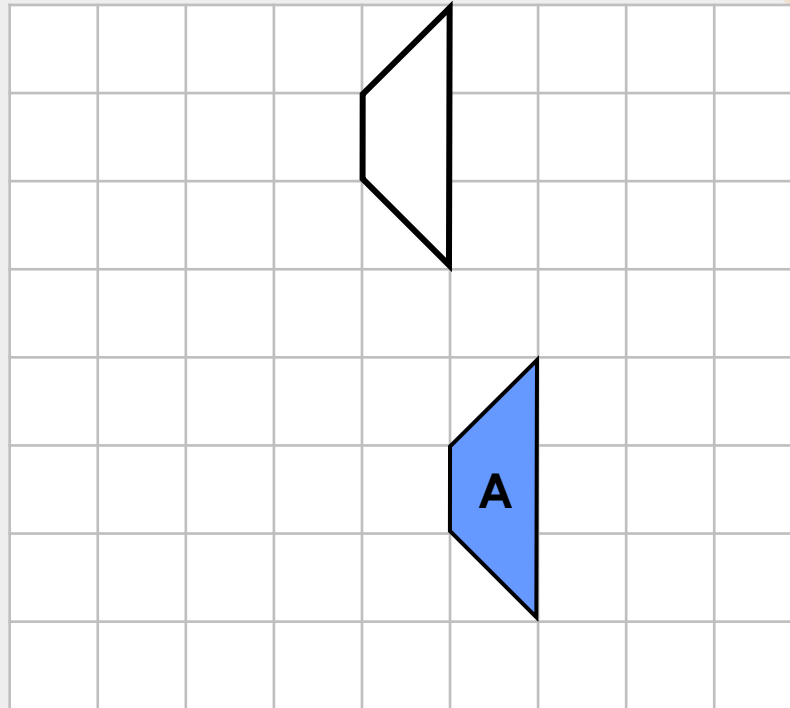
Translate shape A 1 right, 4 up.

Then translate shape A 4 right, 1 up.



Reasoning 1

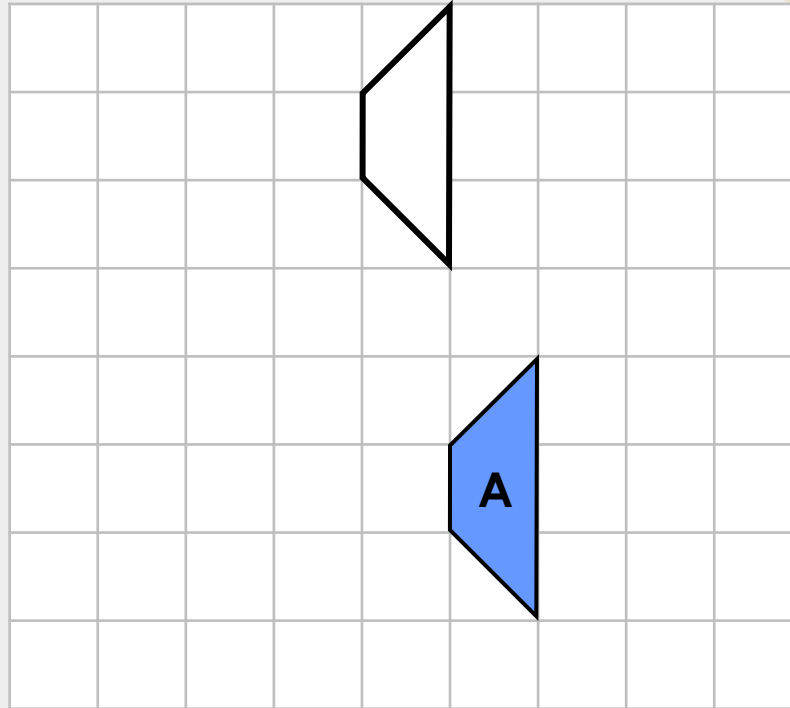
Susan has translated shape A 1 right and 4 up.



Is she correct? Explain your answer.

Reasoning 1

Susan has translated shape A 1 right and 4 up.

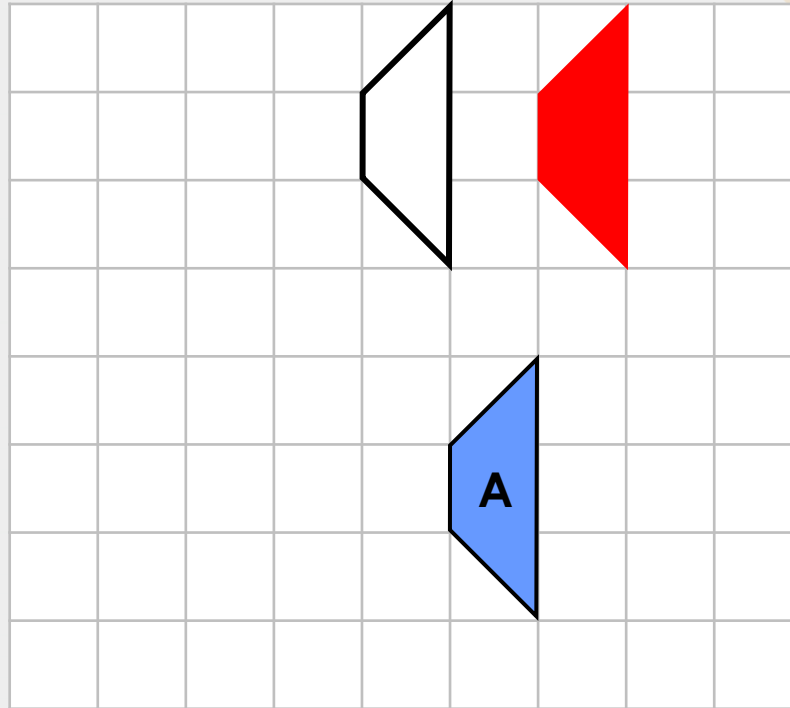


Is she correct? Explain your answer.

Susan is not correct because...

Reasoning 1

Susan has translated shape A 1 right and 4 up.

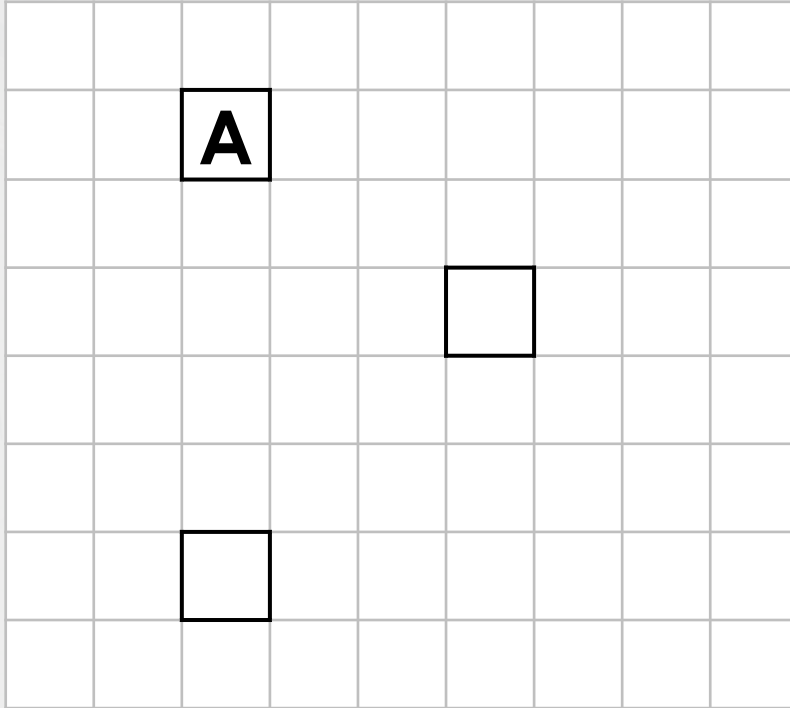


Is she correct? Explain your answer.

Susan is not correct because she has moved the shape 1 left instead of 1 right.

Problem Solving 1

Starting from shape A each time, circle the translation that has not been completed.



3 right, 2 down

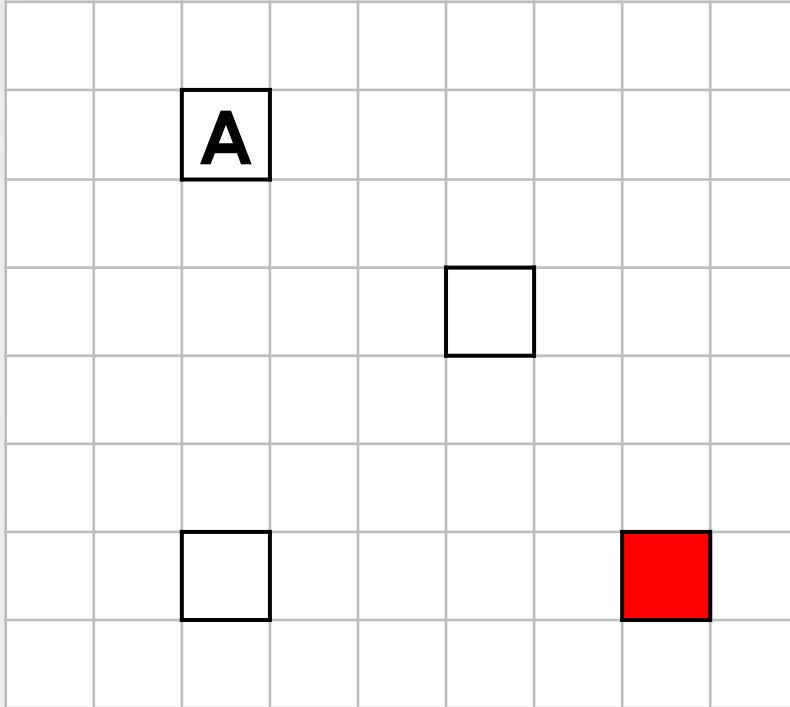
0 right, 5 down

5 right, 5 down

Complete the missing translation.

Problem Solving 1

Starting from shape A each time, circle the translation that has not been completed.



3 right, 2 down

0 right, 5 down

5 right, 5 down

Complete the missing translation.

Reasoning 2

Lindsay is translating shapes.



Angles and dimensions stay the same when you translate a shape.

Do you agree with Lindsay? Support your answer with an example.

Reasoning 2

Lindsay is translating shapes.



Angles and dimensions stay the same when you translate a shape.

Do you agree with Lindsay? Support your answer with an example.

Reasoning 2

Lindsay is translating shapes.

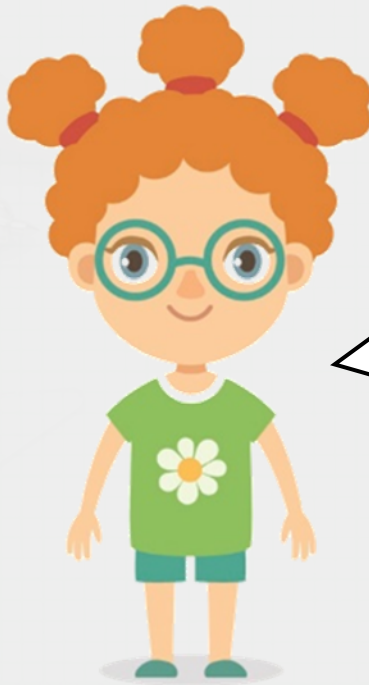


Angles and dimensions stay the same when you translate a shape.

**Do you agree with Lindsay? Support your answer with an example.
Yes because...**

Reasoning 2

Lindsay is translating shapes.



Angles and dimensions stay the same when you translate a shape.

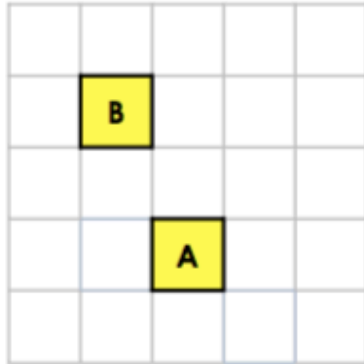
Do you agree with Lindsay? Support your answer with an example.

Yes because the translated shape is exactly the same as the original shape. Children should support their answer by drawing their own example of a translation.

Y5

Year 5 Developing

1a. Tick the translation from shape A to shape B.

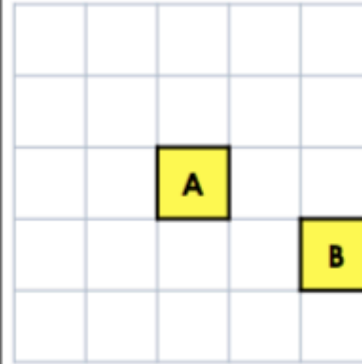


- ☐ 1 left, 2 up
☐ 2 down, 1 left



5 VF

1b. Tick the translation from shape A to shape B.

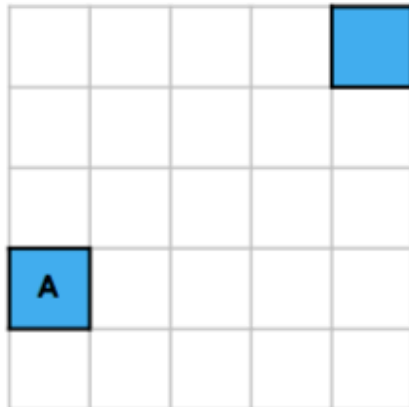


- ☐ 2 left, 1 down
☐ 2 right, 1 down



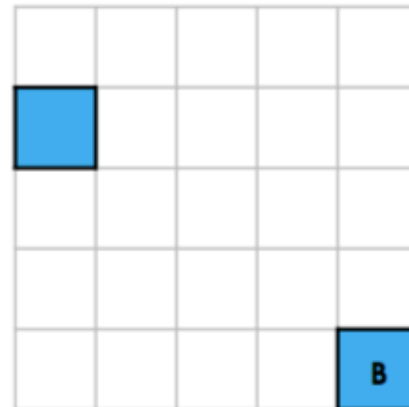
5 VF

2a. True or false? Shape A has been translated 4 right and 2 up.



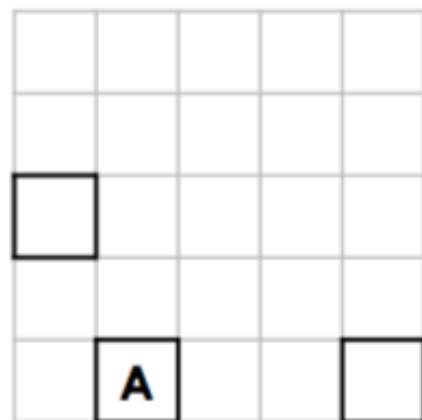
5 VF

2b. True or false? Shape B has been translated 4 left and 3 up.



5 VF

2a. Starting from shape A each time, circle the translation that has not been completed.



1 left, 2 up

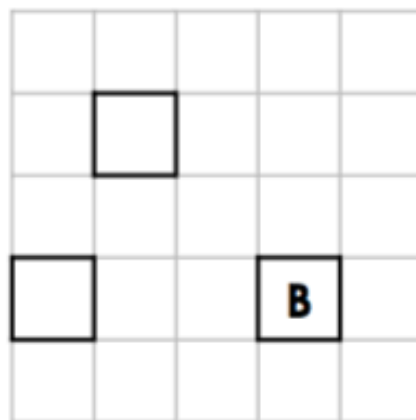
3 right, 0 down

1 left, 0 down



5 PS

2b. Starting from shape B each time, circle the translation that has not been completed.



3 left, 0 down

2 left, 2 up

1 right, 3 up



5 PS

3a. Aleena is translating shapes.



You can use a mirror to help translate shapes.

Do you agree with Aleena? Explain your answer.



3b. Noah is translating shapes.



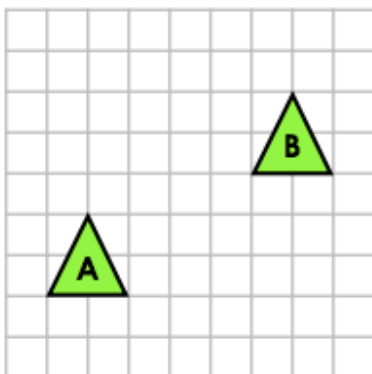
When you translate a shape, the dimensions of the shape change.

Do you agree with Noah? Explain your answer.



Year 5 Expected

4a. Tick the translation from shape A to shape B.



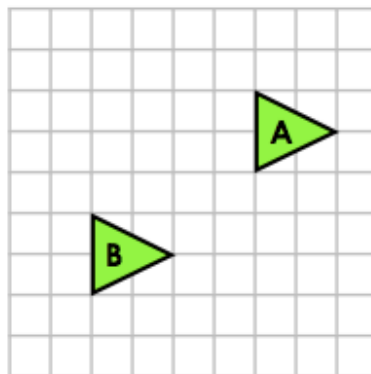
☐ 5 right, 2 up

☐ 5 right, 3 up



5 VF

4b. Tick the translation from shape A to shape B.



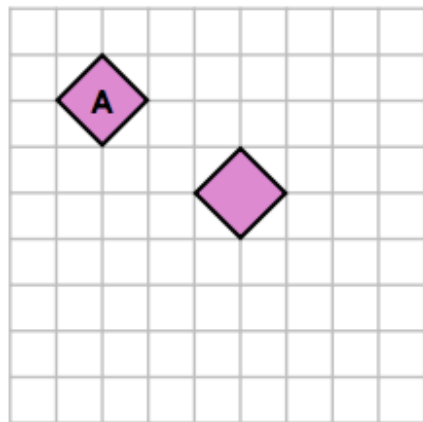
☐ 4 left, 3 down

☐ 4 left, 4 down

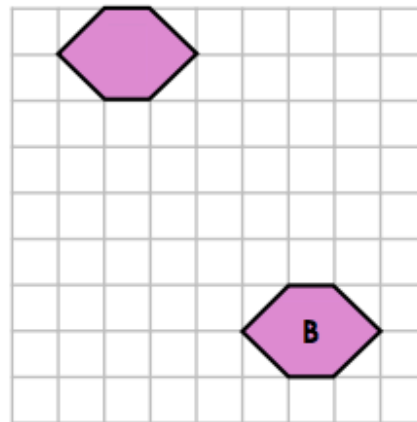


5 VF

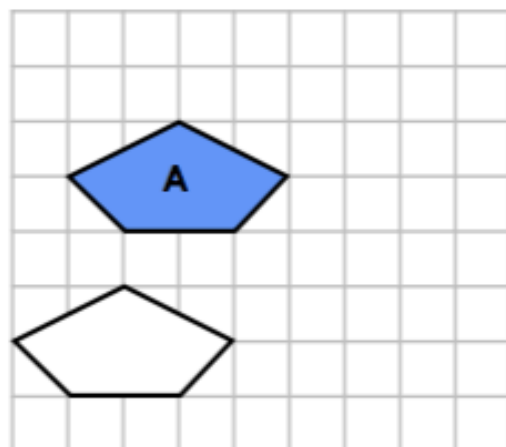
5a. True or false? Shape A has been translated 3 right and 2 down.



5b. True or false? Shape B has been translated 4 left and 5 up.



4a. Megan has translated shape A 1 left and 4 down.

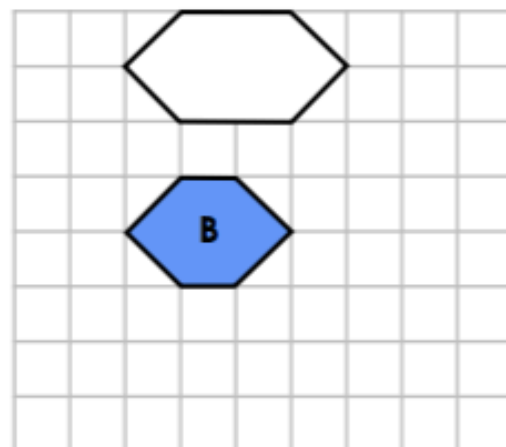


Is she correct? Explain your answer.



S R

4b. Peter has translated shape B 1 right and 3 up.

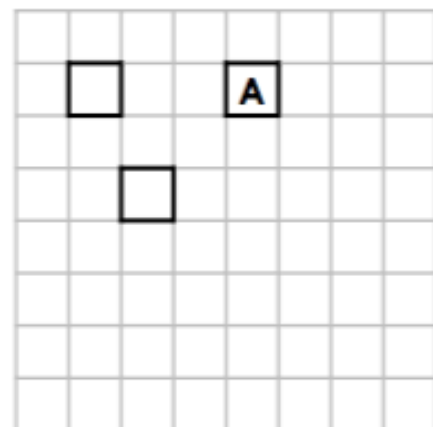


Is he correct? Explain your answer.



S R

5a. Starting from shape A each time, circle the translation that has not been completed.



3 left, 0 up

2 right, 5 down

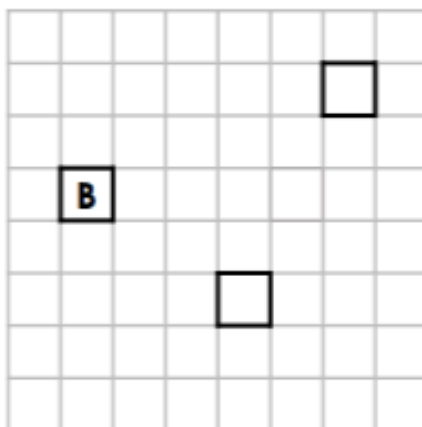
2 left, 2 down



Complete the missing translation.

S PS

5b. Starting from shape B each time, circle the translation that has not been completed.



5 right, 2 up

4 right, 0 down

3 right, 2 down

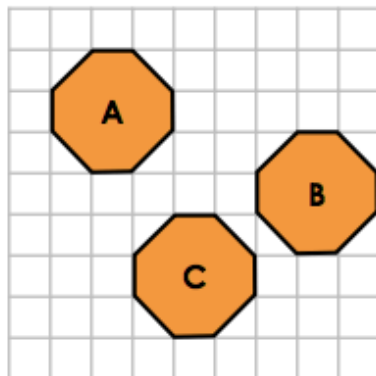


Complete the missing translation.

S PS

Year 5 Greater Depth

7a. Tick the translation from shape A to shape C.

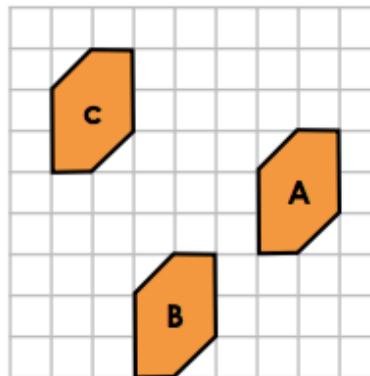


- ☐ 2 right, 4 down
☐ 2 down, 2 right
☐ 5 right, 2 down



5 VF

7b. Tick the translation from shape A to shape C.

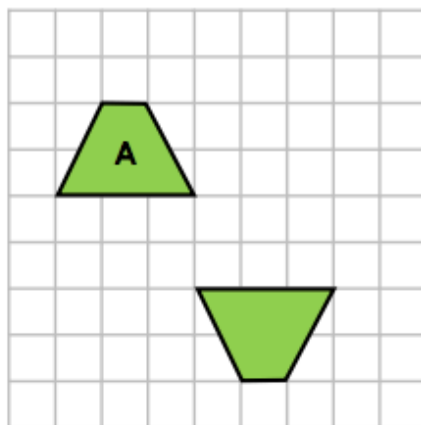


- ☐ 5 right, 2 up
☐ 5 left, 2 up
☐ 3 left, 3 down

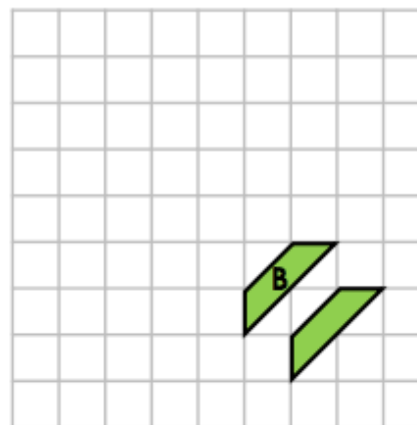


5 VF

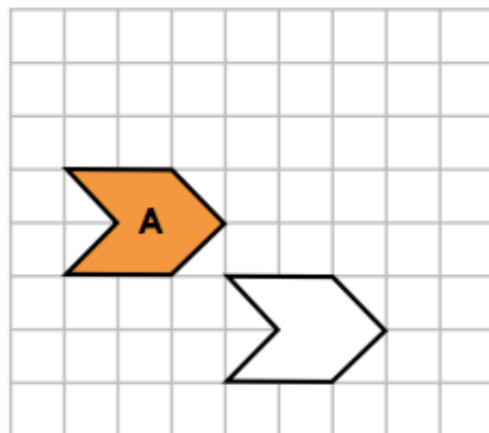
8a. True or false? Shape A has been translated 3 right and 4 down.



8b. True or false? Shape B has been translated 1 right and 1 down.



7a. Clarissa has translated shape A 3 right and 3 down.

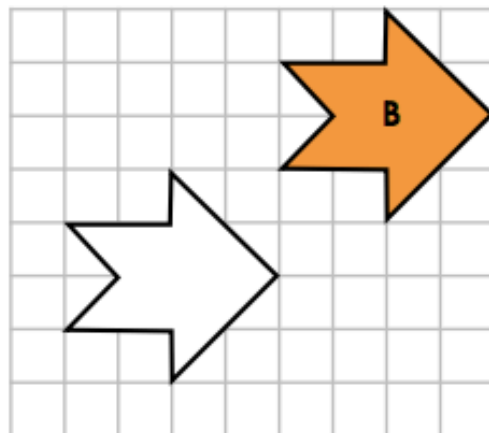


Is she correct? Explain your answer.



5 R

7b. Jace has translated shape B 5 left and 4 down.

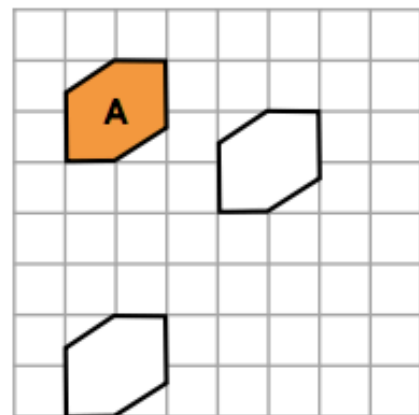


Is he correct? Explain your answer.



5 R

8a. Starting from shape A each time, circle the translation that has not been completed.



0 right, 5 down

3 right, 1 down

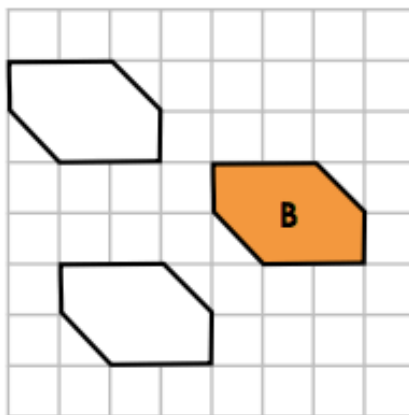
3 right, 4 down



Complete the missing translation.

5 PS

8b. Starting from shape B each time, circle the translation that has not been completed.



3 left, 2 down

4 left, 2 up

0 right, 3 up



Complete the missing translation.

5 PS