#LIFEworkbalance

We have started a #LIFEworkbalance campaign and we need your help to complete our LIFE/work balance survey.

We hope to publish the results soon, so please give 15 minutes of your time to help us get a true picture of school life.

Want to be a part of this campaign? Take the survey on our website and share it with your colleagues!

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Year 5 – Summer Block 3 – Position and Direction – Translation

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 5: (5P2) Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed

More Year 5 Position and Direction resources.

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

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Step 4: Translation

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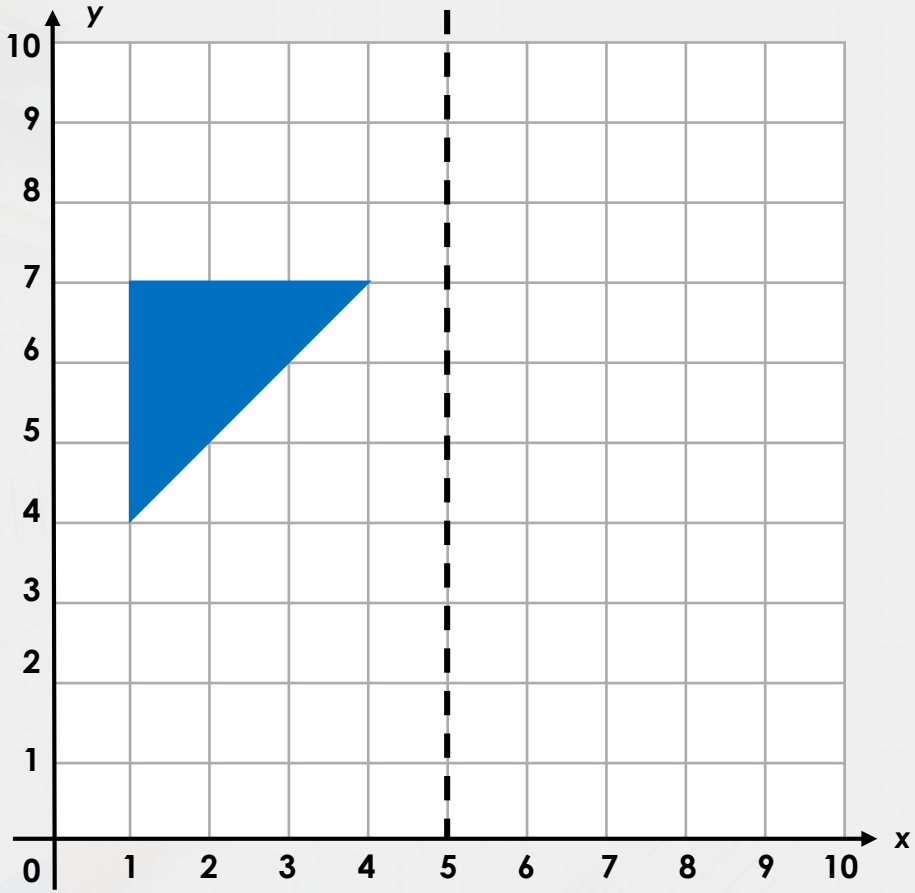
Introduction

True or false?



The coordinates of the reflected shape will be:

- 6, 7
- 9, 7
- 4, 9

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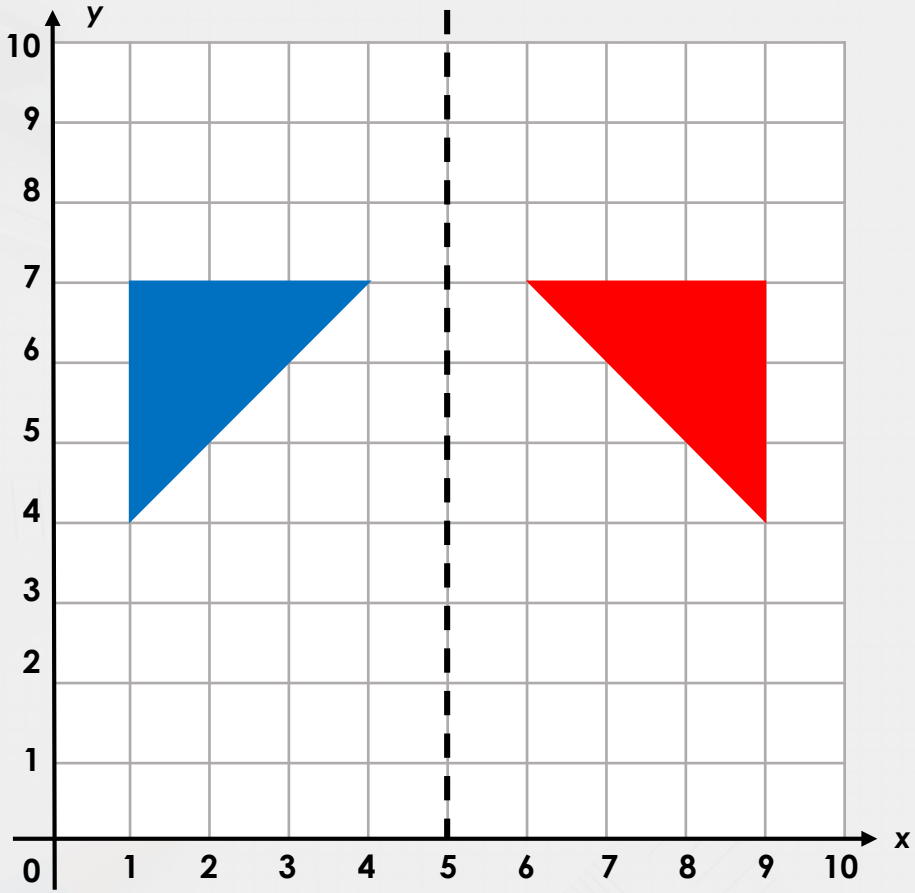
True or false?



The coordinates of the reflected shape will be:

- 6, 7
- 9, 7
- 4, 9

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

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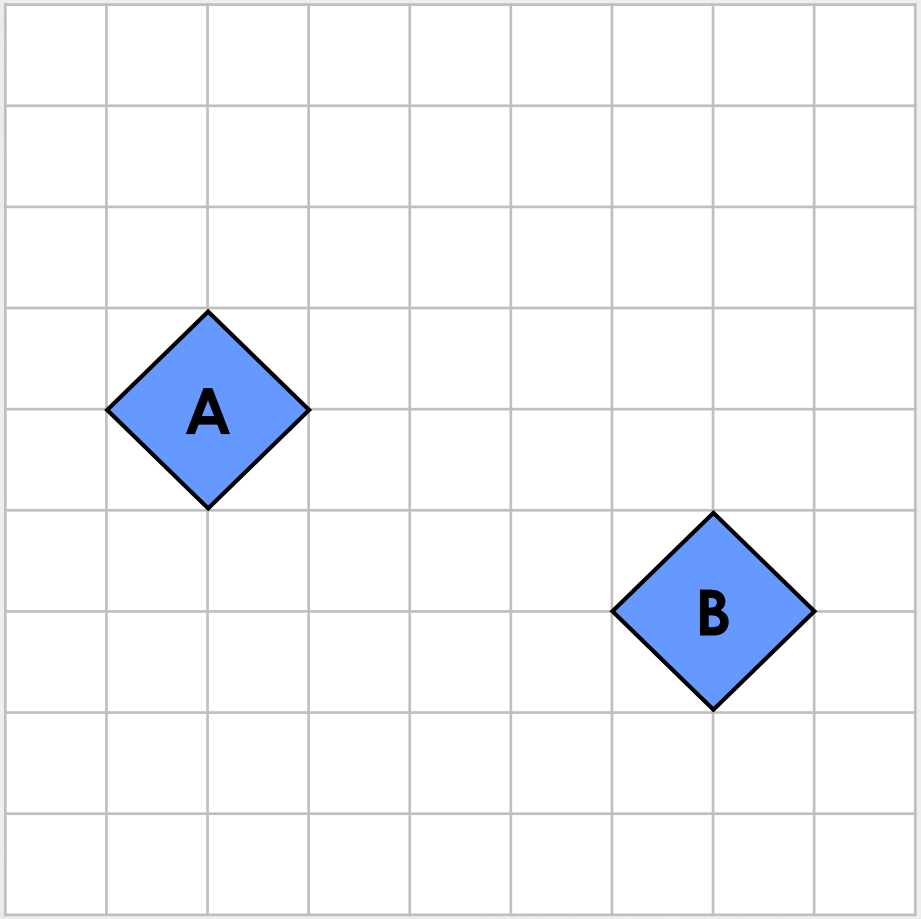
Varied Fluency 1

Tick the translation from shape A to shape B.



☐ 5 right, 3 down

☐ 5 right, 2 down

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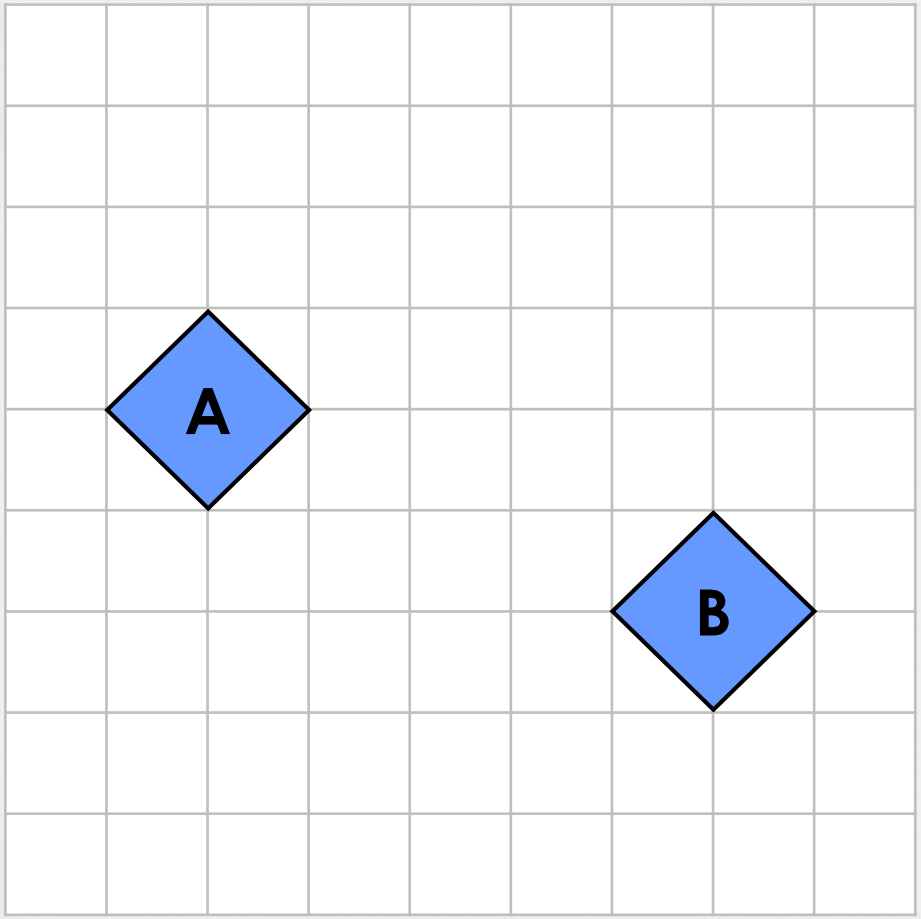
Varied Fluency 1

Tick the translation from shape A to shape B.



☐ 5 right, 3 down

☑ 5 right, 2 down

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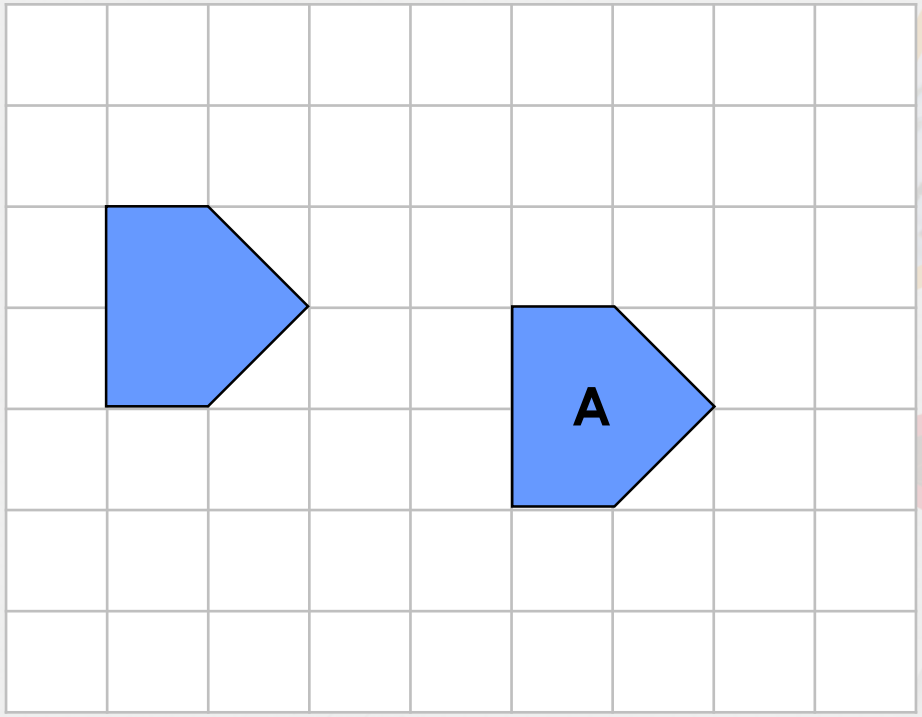
Varied Fluency 2

True or false?

Shape A has been translated 4 right, 1 down.



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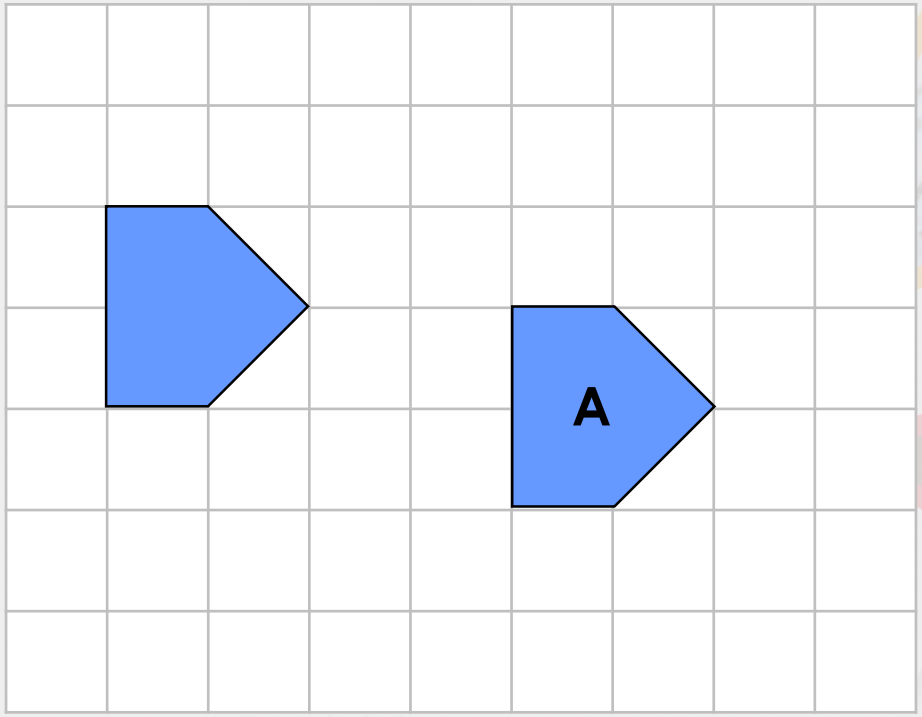
Varied Fluency 2

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



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

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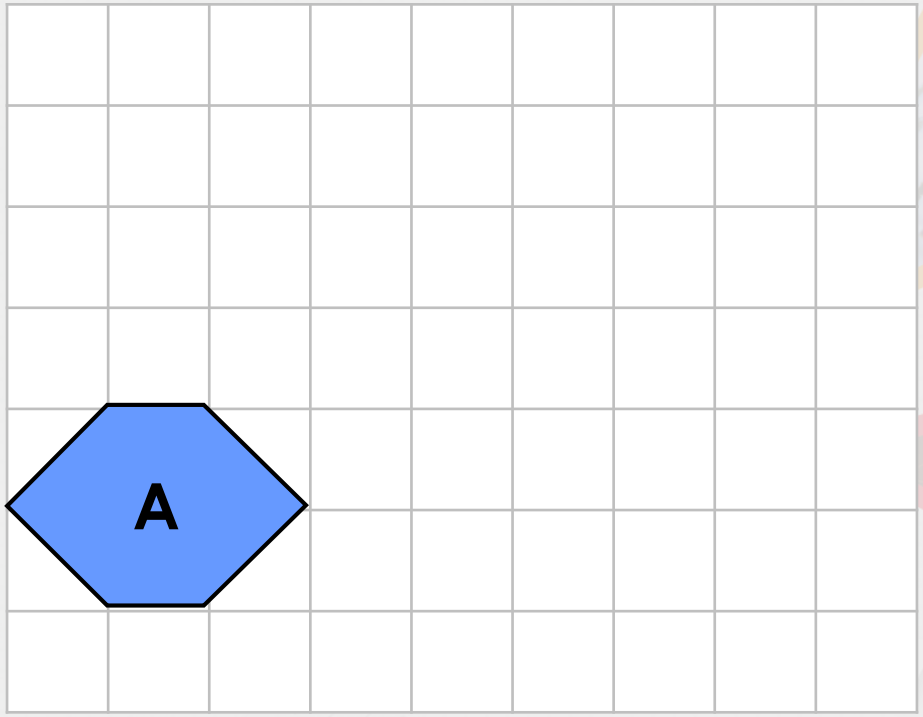
Varied Fluency 3

Translate shape A 1 right, 4 up.

Then translate shape A 4 right, 1 up.



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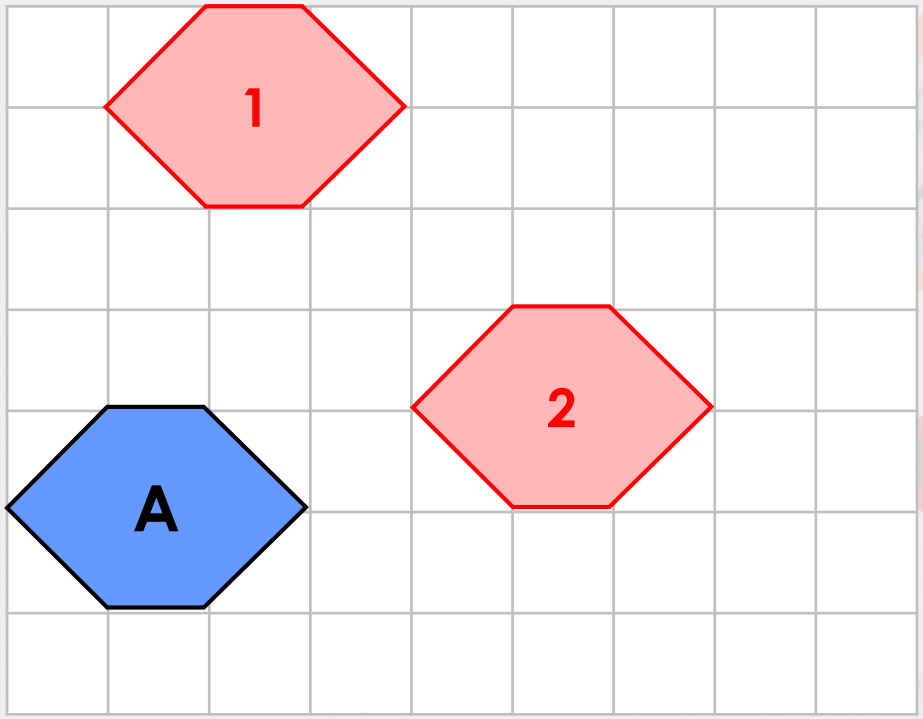
Varied Fluency 3

Translate shape A 1 right, 4 up.

Then translate shape A 4 right, 1 up.



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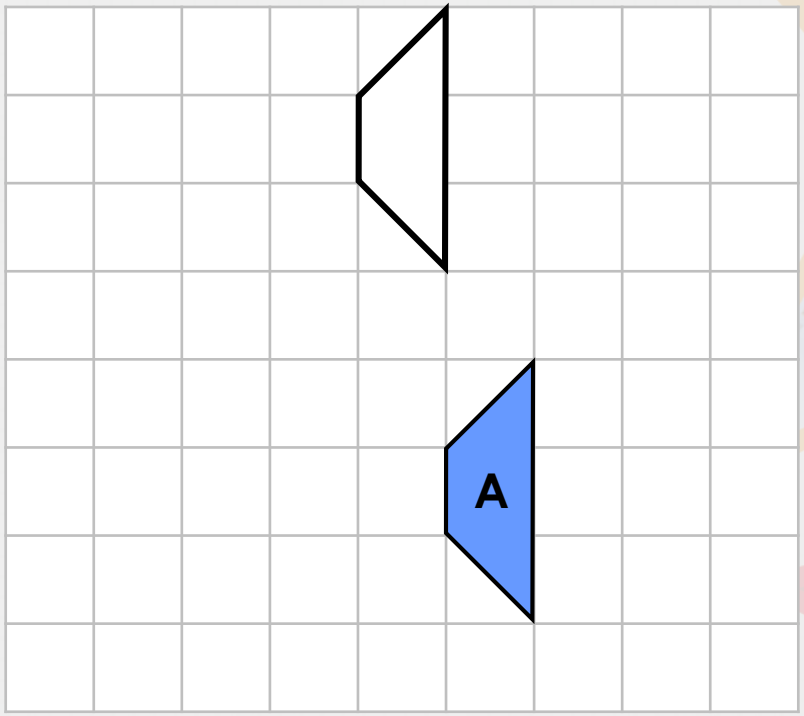
Reasoning 1

Susan has translated shape A 1 right and 4 up.



Is she correct? Explain your answer.

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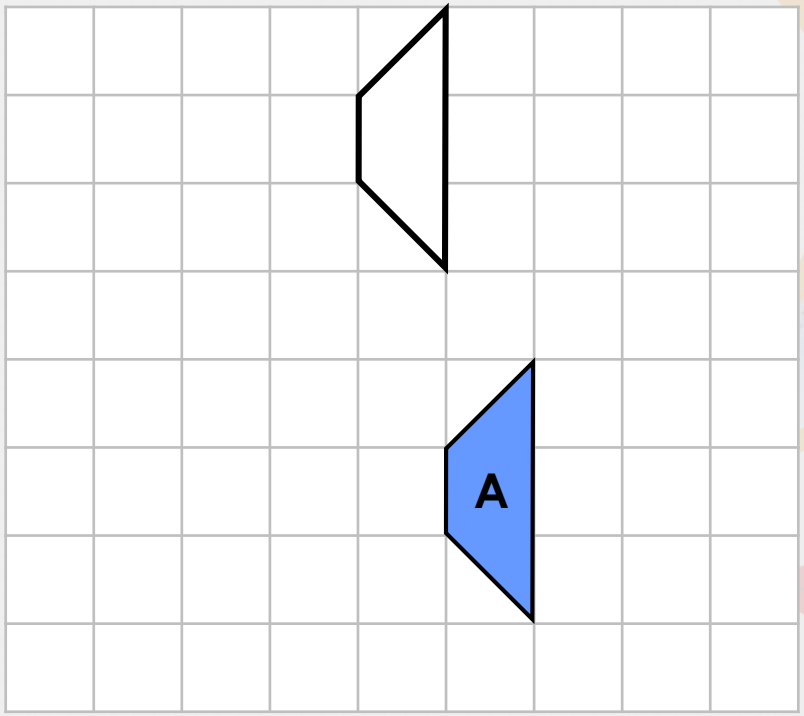
Reasoning 1

Susan has translated shape A 1 right and 4 up.



Is she correct? Explain your answer.

Susan is not correct because…

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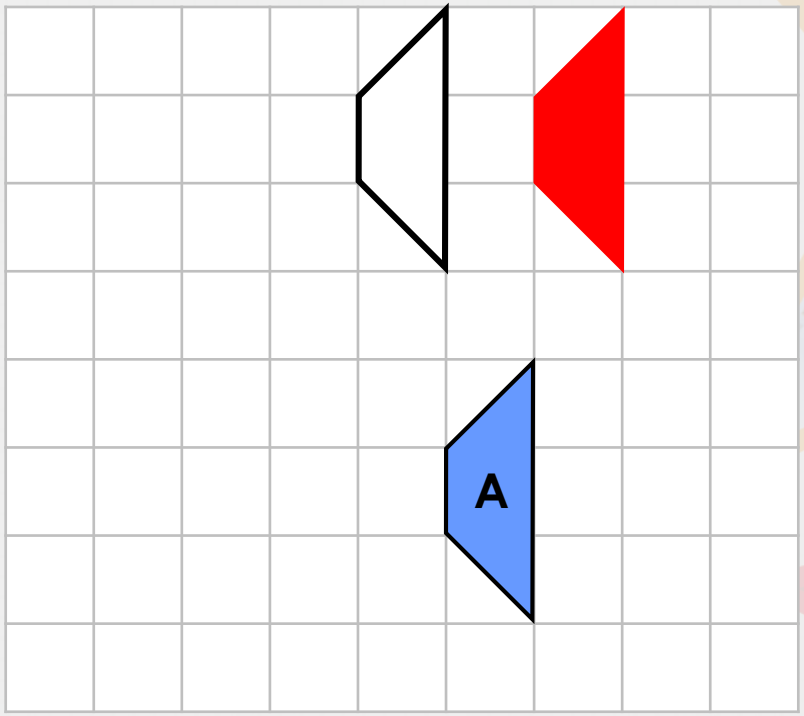
Reasoning 1

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.

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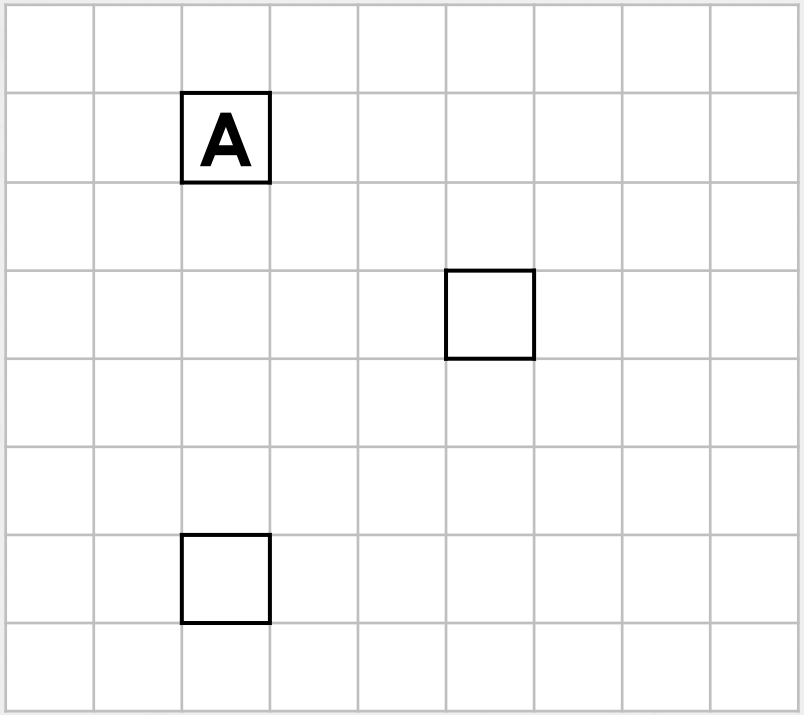
Problem Solving 1

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.

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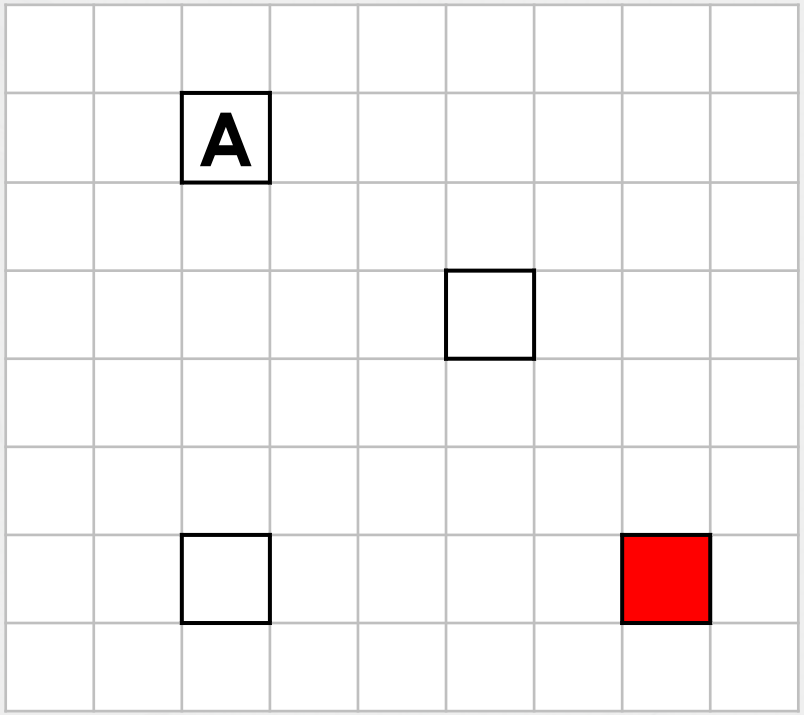
Problem Solving 1

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.

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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.

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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.

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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…

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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.

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