AREA – DAY 2

Reasoning and Problem Solving

LO:I can find the area of rectilinear shapes by counting squares

Problem Solving

Tom is using square carpet tiles to cover the space.

How many carpet tiles do you think he will need?

Problem Solving

Tom is using square carpet tiles to cover the space.

How many carpet tiles do you think he will need?

He will need 5 carpet tiles.

Reasoning

Kim and Joe are choosing a shape to measure the area of this shape:

Joe: I think we should use a semi-circle to measure the area.

Kim: I think we should use a square to measure the area.

Who is correct? Explain your answer.

Reasoning

Kim and Joe are choosing a shape to measure the area of this shape:

I think we should use a semi-circle to measure the area.

Joe

I think we should use a square to measure the area.

Kim
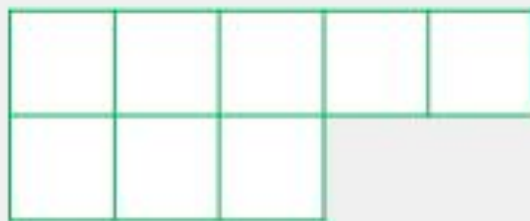
Who is correct? Explain your answer.

Kim is correct because squares will cover all of the shape without leaving any gaps. If you used semi-circles, they would leave gaps.
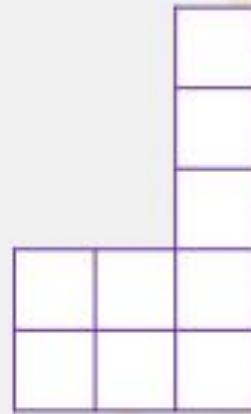
Reasoning

Which shape is the odd one out?

A.

B.

C.
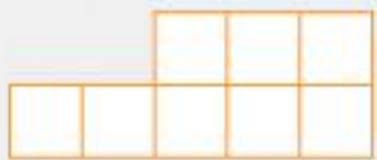
Explain your choice.

Reasoning

Which shape is the odd one out?

A.   B.

C.
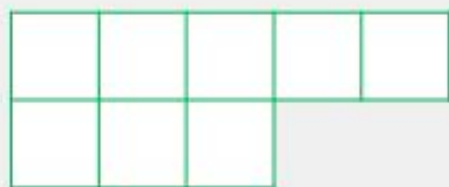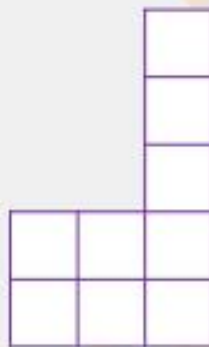
Explain your choice.

B is the odd one out because A & C are both made using 8 squares. They are the same shape but different sizes and orientations.

Your Task…

PROBLEM SOLVING AND REASONING
Choose which of the following tasks you wish to complete.
Each group's work will appear on the following slides…

LO:I can find the area of rectilinear shapes by counting squares

1a. Kate is using square wall tiles to cover the space.

How many wall tiles do you think she will need?

2a. Jack is choosing a shape to measure the area of the shape below.
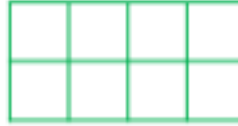
I think I should use a circle to measure the area.

Is he correct? Explain your answer.
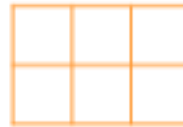
3a. Which shape is the odd one out?

A.

B.

C.

Explain your choice.

THE LEARNING PIT

GREEN GROUP

4a. Aiden is using square carpet tiles to cover the space.

How many carpet tiles do you think he will need?

4 PS

5a. Keira and Jude are choosing shapes to measure the area of the following shape.

Jude: I think we should use a circle to measure the area.

Keira: I think we should use a square to measure the area.

Who is correct? Explain your answer.

4 R

6a. Which shape is the odd one out?

A.

B.

C.

Explain your choice.

4 R

THE LEARNING PIT

GOLD GROUP

7a. Jack is using floor tiles to cover the space.

How many floor tiles do you think he will need?

4   PS

8a. Kate and Jacob are choosing shapes to measure the area of the shape below.

Jacob: I think we should use a triangle to measure the area.

Kate: I think we should use a square to measure the area.
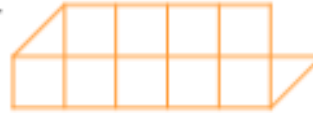
Who is correct? Explain your answer.

4   R

9a. Which shape is the odd one out?

A.

B.

C.

Explain your choice.

4   R

THE LEARNING PIT