

## Red

- 1) Fatima is describing the area of each downstairs room in her house.

There are 5 rooms downstairs. The lounge has the largest area. The area of the kitchen is smaller than the lounge and the dining room. The study and the playroom are the smallest rooms and they both have the same area.



Draw on the three shapes below to create 3 different floor plans that could match her description. Don't forget to label each room.



- 2) Megan says that these 2 shapes couldn't have the same area because the sides are different lengths. Do you think she is right or wrong? How do you know?



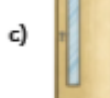
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- 3) Aaron has some square sticky notes. He uses them to measure the area of his whiteboard. He finds that his whiteboard covers the same area as 6 sticky notes.



Aaron wants to use the sticky notes to measure other things in the classroom. Which object would be the best for him to use the sticky notes to measure. Explain why.



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7a. Dylan is choosing a bathroom tile to use to cover the space below. He wants the tiles to cover the area completely.



Which tile should he use? Explain your answer.



R

7b. Aisha is choosing a kitchen tile to use to cover the space below. She wants the tiles to cover the area completely.



Which tile should she use? Explain your answer.



R

8a. Max is making a 6-sided shape using squares and half squares. The surface of his shape will have an area of 12 squares.



Use the reference square and half square to create two shapes Max could make.



PS

8b. Ariba is making a 8-sided shape using squares and half squares. The surface of her shape will have an area of 15 squares.



Use the reference square and half square to create two shapes Ariba could make.



PS

9a. Which shape is the odd one out? Use the reference square to help you.

reference square



A.



B.



C.



Explain your choice.



R

9b. Which shape is the odd one out? Use the reference square to help you.

reference square



A.



B.



C.



Explain your choice.



R