Use the formula base $\times$ height to calculate the area of a parallelogram.

1) Find the area of each parallelogram.

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2) Calculate the area of each parallelogram.
a)

b)

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3) Calculate the missing measurements for these parallelograms.
b)


Use the formula base $\times$ height to calculate the area of a parallelogram.

1) Ania has been counting squares to find the area of these shapes.




I think that the parallelogram has a larger area than the rectangle.

Is Ania correct? Explain to Ania how to check if she is correct by using a calculation.
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2) Hamish has worked out that each parallelogram has an area of $42 \mathrm{~cm}^{2}$.


Do you agree with Hamish? Explain why.
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Use the formula base $\times$ height to calculate the area of a parallelogram.

1) I am thinking of a parallelogram with side lengths that are whole numbers.


It has an area of $84 \mathrm{~cm}^{2}$.
Its height measures between 10 cm and 30 cm .
Its base measures between 2 cm and 10 cm .

Give the dimensions of all the possible parallelograms I could be thinking of.
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2) DIY Dan is decorating his bathroom with these tiles:


One wall of his bathroom has an area of $4800 \mathrm{~cm}^{2}$.

a) How many tiles will DIY Dan need to decorate this wall?

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b) DIY Dan spends another $£ 175$ decorating the rest of his bathroom with tiles. How many more tiles did DIY Dan use?

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