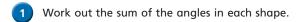
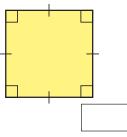
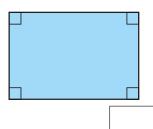
## Angles in special quadrilaterals



a)

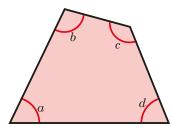


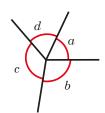
b)



What do you notice?







What do the diagrams illustrate about the sum of the angles in a quadrilateral?

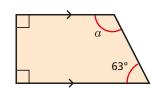
Complete the sentence.

Angles in a quadrilateral \_

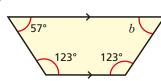


3 Work out the size of the unknown angle in each trapezium.

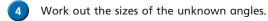
a)



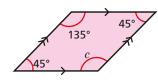
b)



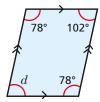
c) What is the same and what is different about the trapeziums?



a)



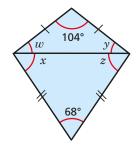




c) What do you notice about opposite angles in a parallelogram?



a) Work out the sizes of the unknown angles.



w =

x =

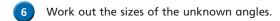
**b)** Work out w + x.



c) Work out y + z.



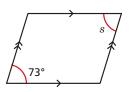
What do you notice? Talk about it with a partner.



a)



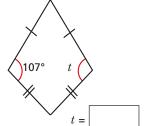
b)



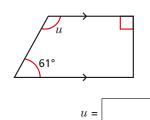
r =

$$s =$$

c)



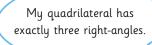
d)



Compare your reasoning with a partner.



7 Teddy is drawing a quadrilateral.





Is Teddy's quadrilateral possible? \_\_\_\_\_ Explain your answer.



