

Good morning Year 3s, for maths today, please go to <https://whiterosemaths.com/homelearning/year-3/> and find Summer term - week 9 and watch the video 'Parallel and perpendicular' and then complete the worksheet. Then do the challenge that I have set on **Sundog**.

## Parallel and perpendicular



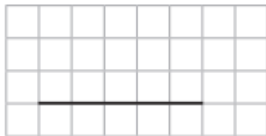
1 Tick the pairs of lines that are not parallel.



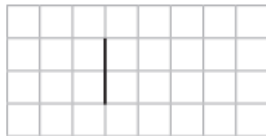
2 Here are two lines.

Draw a line that is parallel to each.

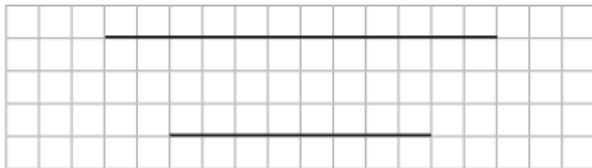
a)



b)



3 Amir says that the lines are not parallel because they are different lengths.



Is Amir correct? \_\_\_\_\_

Why?



4 a) Here is a line. Draw a line that is **not** parallel to it.



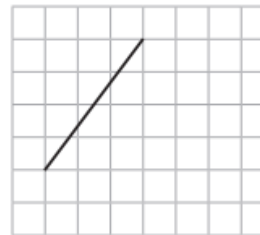
b) Here is a line. Draw a line that is parallel to it.



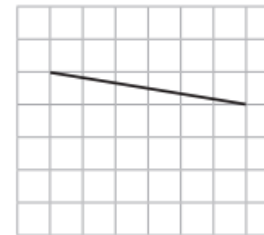
5 Here are two lines.

Draw a line that is parallel to each.

a)

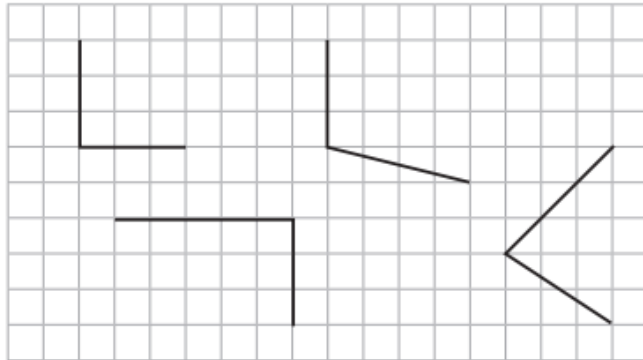


b)



Talk to a partner about how you did it.

6 Tick the perpendicular lines.

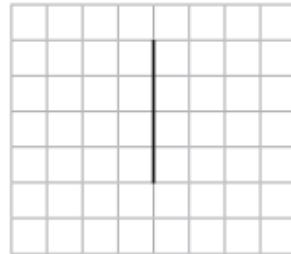


7 Here are two lines. Draw a line that is perpendicular to each.

a)

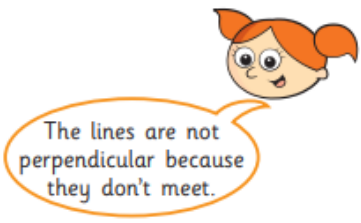
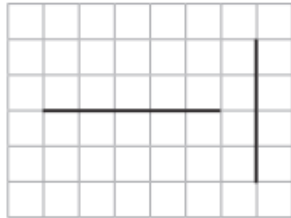


b)

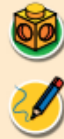


8 Alex has drawn some lines on grids.

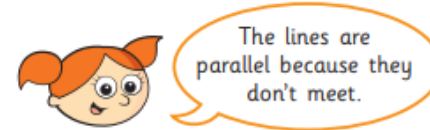
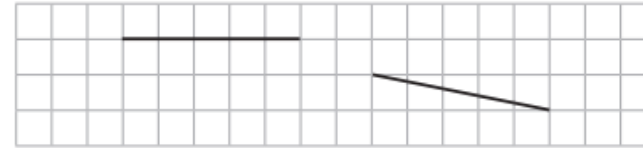
a)



Do you agree with Alex? \_\_\_\_\_



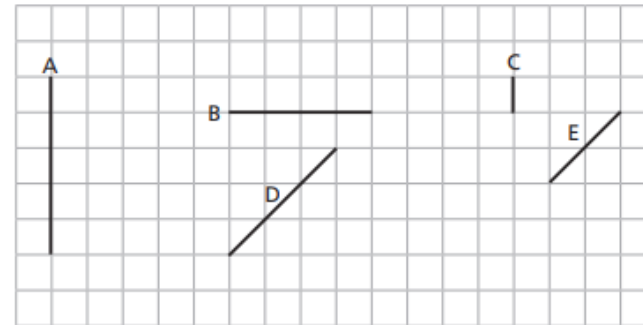
b)



Do you agree with Alex? \_\_\_\_\_

Talk about your answers with a partner.

9 Five lines are drawn on the grid.



a) Which two pairs of lines are parallel?

\_\_\_\_\_

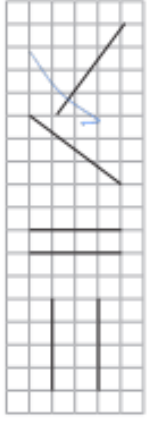
b) Which two pairs of lines are perpendicular?

\_\_\_\_\_

## Parallel and perpendicular

How many?

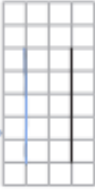
- 1 Tick the pairs of lines that are not parallel.



- 2 Here are two lines.

Draw a line that is parallel to each.

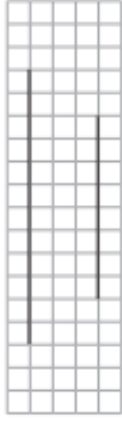
a) e.g.



b) e.g.

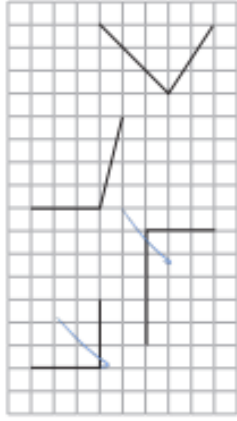


- 3 Amir says that the lines are not parallel because they are different lengths.



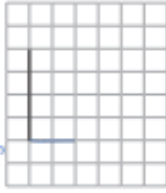
Is Amir correct? No  
Why?

- 4 Tick the perpendicular lines.

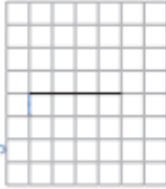


- 5 Here are two lines. Draw a line that is perpendicular to each.

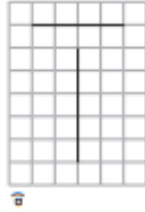
a) e.g.



b) e.g.



- 6 Alex has drawn some lines on grids.



The lines are not perpendicular because they don't meet.

Do you agree with Alex? No

- 4 a) Here is a line. Draw a line that is not parallel to it.



- b) Here is a line. Draw a line that is parallel to it.



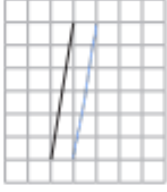
- 5 Here are two lines.

Draw a line that is parallel to each.

a)



b)



Talk to a partner about how you did it.

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- b)

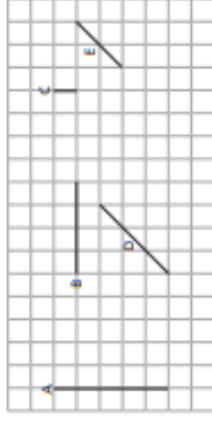


The lines are parallel because they don't meet.

Do you agree with Alex? No

Talk about your answers with a partner.

- 6 Five lines are drawn on the grid.



- a) Which two pairs of lines are parallel?

A and C B and D

- b) Which two pairs of lines are perpendicular?

A and B A and D

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