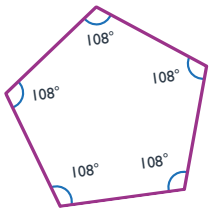
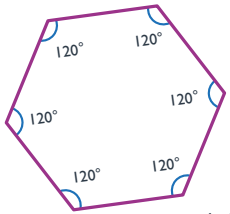
Key Facts to Learn
Learning Exercise 19 to 20

L19. Geometry: angles in regular polygons

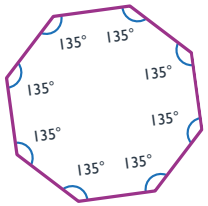
- In a regular polygon, all the angles are equal.
- The **sum of the angles** inside this regular pentagon is 540°.



- The **sum of the angles** inside this regular hexagon is 720°.



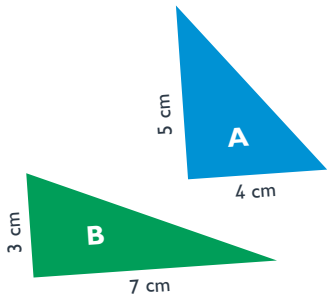
- The **sum of the angles** inside this regular octagon is 1080°.



Practice Exercise 15a
Measures: Area, Perimeter, Volume

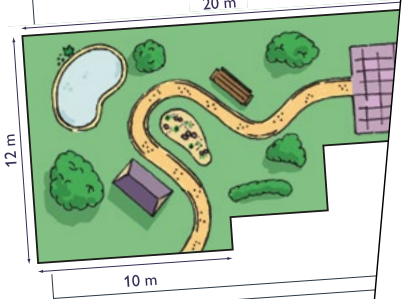
P15a

- Look at these two triangles.



- Which triangle has the largest area?
- By how much?

- Shona walked round her garden. How far did she walk if she walked all the way round?



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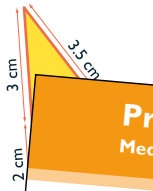
- Here's a challenge! Calculate the area and perimeter of this shape:



Practice Exercise 17c
Measures: Time and the Calendar

P17c

- This map shows how many hours some countries are ahe When it is 10:30 in the UK, it is 22:30 (10:30 pm) in Auck
  - It's 14:15 in the UK, so the time in these cities is:
    - Rome
    - Tokyo
    - Auckland
    - Kingston
  - If it is 12:45 in Tokyo, what time is it in Kingston?
  - If it is 16:30 in San Francisco, what time is it in Aucklan
  - If it is 21:20 in Rome, what time is it in Tokyo?
- An aircraft left London Stansted Airport at 14:25. The flight lasted 11 hours and 45 minutes. What was the local time in San Francisco when the plane arrived?
- An aircraft left Delhi at 06:30 local time and the flight lasted 8 hours and 15 minutes. What was the time in London when it landed?

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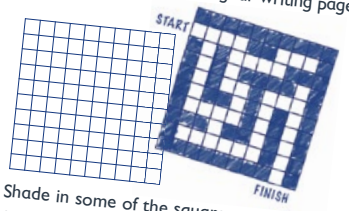
Thinking Tasks 17 to 18

T17. It's amazing

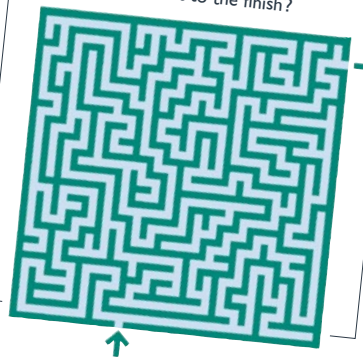
- Draw a 10 by 10 grid on your writing page.



- Shade in some of the squares to create a maze. Label the start and finish.
- Using the following codes, write a series of commands to get from the start of the maze to the finish:

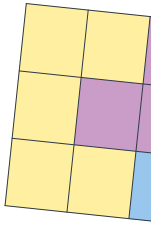
Forward = FD
Right turn = RT
Left turn = LT

- Remember to say how many squares to move, e.g. Forward 4 is FD4.
- Test out your instructions and see if somebody else can follow them successfully.
- People have been creating mazes for millennia! Here is an example. Can you get from the start to the finish?



T18. High five

- Cinq tiles
- Cut the simp into its five s
- On spare pap and then draw shapes. Colou them out.
- Now use your pieces to build any spaces. He three of the 12



- Now it is your turn
  - a 5 x 5 square us
  - a 6 x 5 rectangle
  - a T-shape nine squ squares across the Cinq tiles.
- For the ultimate chall try to build and draw 10 x 6 rectangle using 12 Cinq tiles!