

# TOWER FACT FILE

How tall is Emirates Spinnaker Tower?

\_\_\_\_\_ metres

How high is the glass floor from the ground?

\_\_\_\_\_ metres

Sky Deck \_\_\_\_\_ metres

View Deck 2 **105** metres

View Deck 1 \_\_\_\_\_ metres

How many seconds does the lift take to reach View Deck 1?

\_\_\_\_\_  
Listen out in the lift.

How many metres per second does the lift travel?

\_\_\_\_\_  
Listen out in the lift.

How many stairs between each deck?

\_\_\_\_\_  
Count on your way up.

How tall are you?

\_\_\_\_\_ metres

Use the height measure if you don't know it.



# IN THE VIEW



Am I taller or shorter than Emirates Spinnaker Tower?



## GUNWHARF QUAYS NO 1 BUILDING

I am \_\_\_\_\_ m



## ANGLICAN CATHEDRAL BELL TOWER

I am \_\_\_\_\_ m



## HARBOUR AND SEWARD TOWERS

I am \_\_\_\_\_ m

# MATHS MINDS?

If all the children together measure 53 metres in total, how much taller is Emirates Spinnaker Tower View Deck 1 at 100 metres?

\_\_\_\_\_ metres

What is the height of Emirates Spinnaker Tower View Deck 1 and 3 in centimetres?

\_\_\_\_\_ cm \_\_\_\_\_ cm

How many millimetres/kilometres would View Deck 1 be?

\_\_\_\_\_ mm \_\_\_\_\_ km

Work out the difference between your own height and the height of Emirates Spinnaker Tower?

\_\_\_\_\_ cm

If Anglican Cathedral bell tower is 37 metres, how much smaller is it than the whole Emirates Spinnaker Tower?

\_\_\_\_\_ metres

How much taller is the whole tower at 170m than the Harbour and Seward Towers?

\_\_\_\_\_ metres

If Emirates Spinnaker Tower viewing deck, the bell tower and No.1 Gunwharf Quays buildings were placed on each other, how many meters & cm tall would it be?

\_\_\_\_\_ metres \_\_\_\_\_ cm

# DARE YOU WALK ACROSS THE GLASS SKY WALK?

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What 2D & 3D shape is the glass floor?

\_\_\_\_\_

I measured the glass floor today with my

\_\_\_\_\_ (e.g. hands)

It was \_\_\_\_\_ long (e.g. 10)

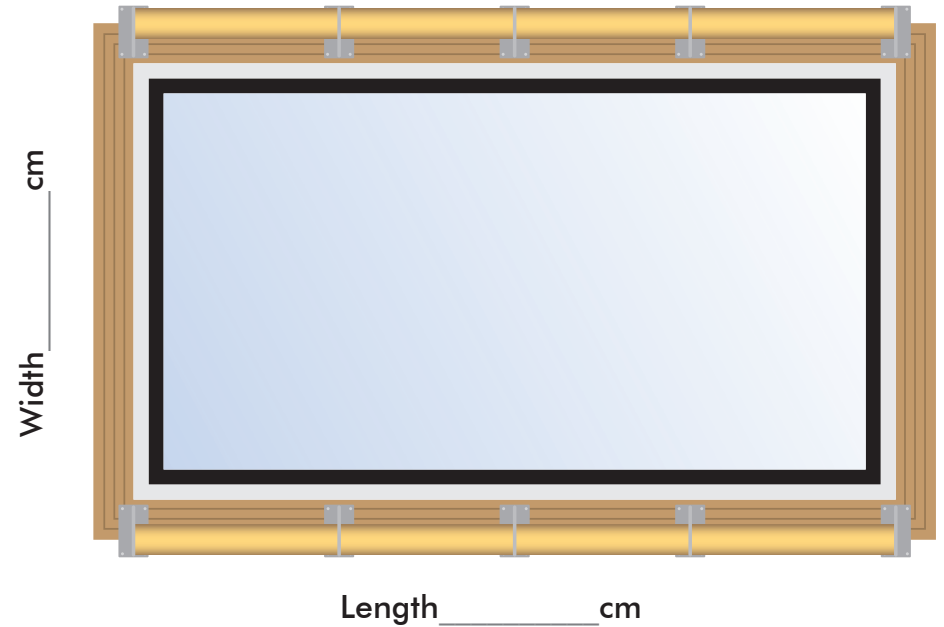
Using the tape measures provided, complete the missing length and width of the glass floor

Using this information, calculate the area of the glass floor  $L \times W$

\_\_\_\_\_

The glass floor has 3 panes, each pane is 20mm thick. Calculate the volume of the glass floor  $L \times W \times D$

\_\_\_\_\_



Draw the glass floor panels onto your diagram above.

## EXTENSION TASK

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Show all the right angles and parallel line on your diagram

Measure the width of one panel and calculate it's area

\_\_\_\_\_