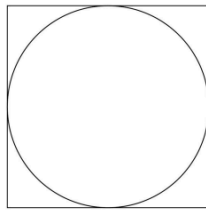


Q1. (2017)

20

Here is a circle touching a square.



Not drawn accurately

The area of the square is 64 cm^2

Work out the area of the circle.

Give your answer in terms of π .

[3 marks]

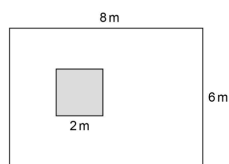
Answer _____ cm^2

Q2. (2018)

7

A rectangular carpet measures 8 m by 6 m

Part of the carpet is covered by a square rug of length 2 m



Not drawn accurately

Show that $\frac{1}{12}$ of the carpet is covered by the rug.

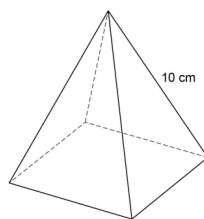
[2 marks]

Q3. (2020)

15

A pyramid has a square base.

Each of the four sloping edges has length 10 cm



The total length of all eight edges is 68 cm

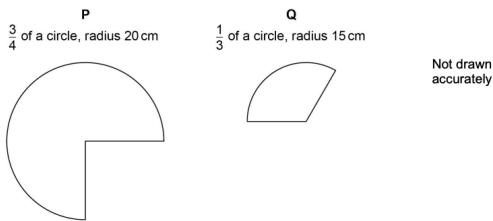
Work out the area of the square base.

[4 marks]

Answer _____ cm^2

Q4. (2022)

25 Here are two shapes, P and Q.

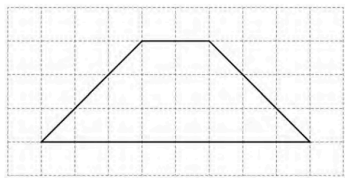


How many times bigger is the area of P than the area of Q?
You **must** show your working.

[4 marks]

Q5. (2023)

2 (c) A different quadrilateral is drawn on a centimetre grid.



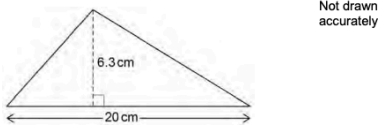
By counting squares, work out the **area** of the quadrilateral.

[1 mark]

Answer _____ cm²

Q6. (2024)

18



Not drawn accurately

Work out the area of this triangle.

[2 marks]

Answer _____ cm²