

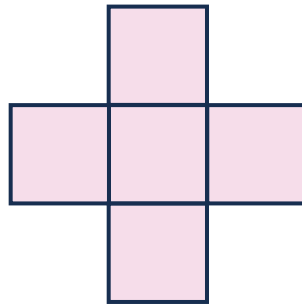
Nets, circles and statistics

Question 1

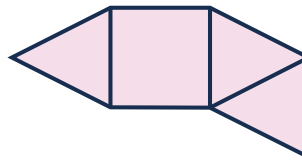
Here are some unfinished nets.

Add one face to make a net that can be folded to make:

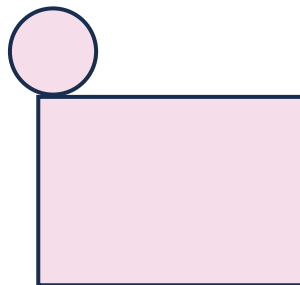
- a** a cube



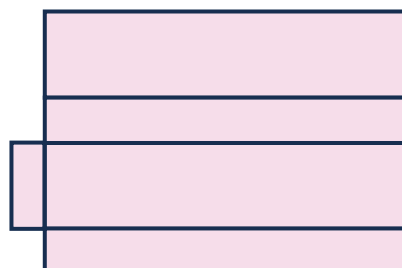
- b** a square-based pyramid



- c** a cylinder



- d** a cuboid

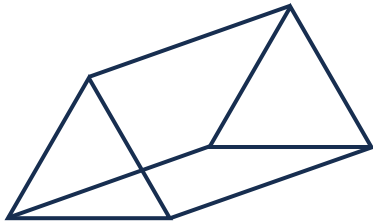


Nets, circles and statistics

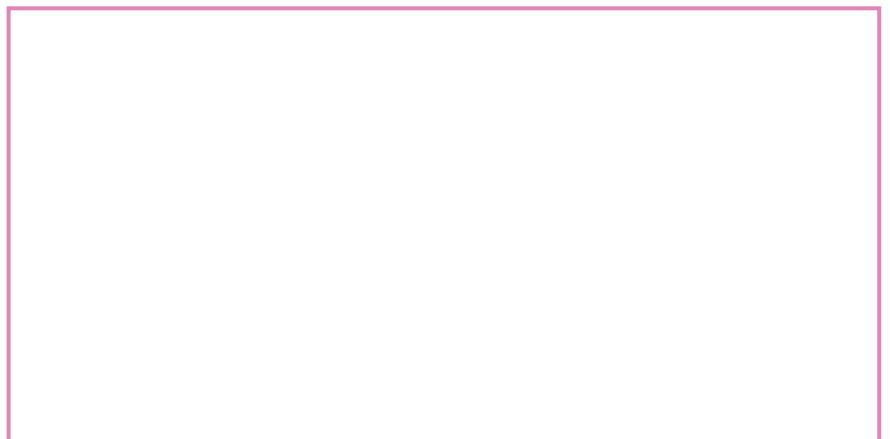
Question 2

Can you draw a net for each of these shapes?

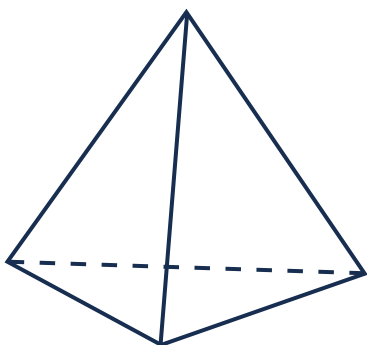
a



b



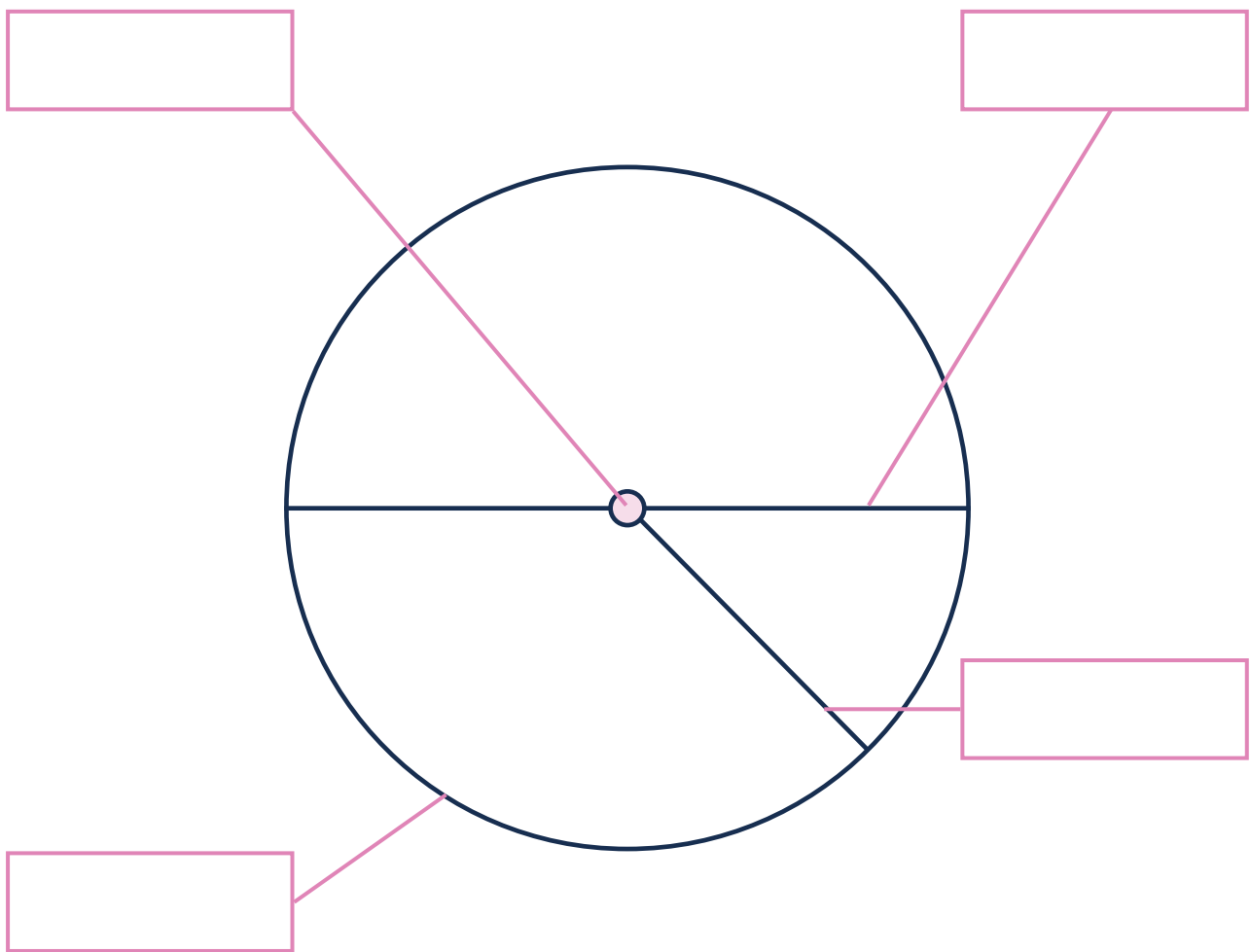
c



Nets, circles and statistics

Question 3

Can you label the parts of the circle?



radius

diameter

circumference

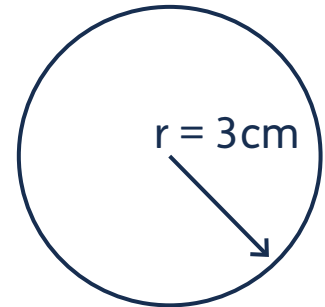
centre



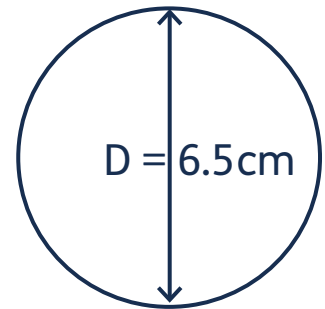
Nets, circles and statistics

Question 4

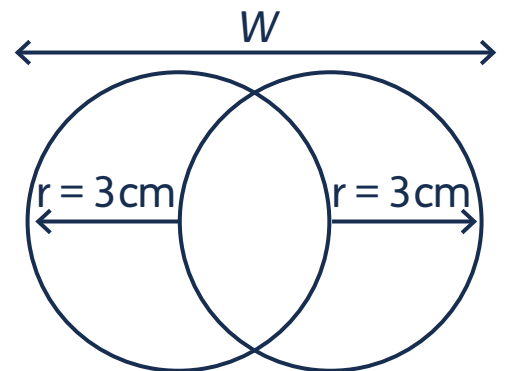
This circle has a radius of 3 cm. What is its diameter?



This circle has a diameter of 6.5. What is its radius?



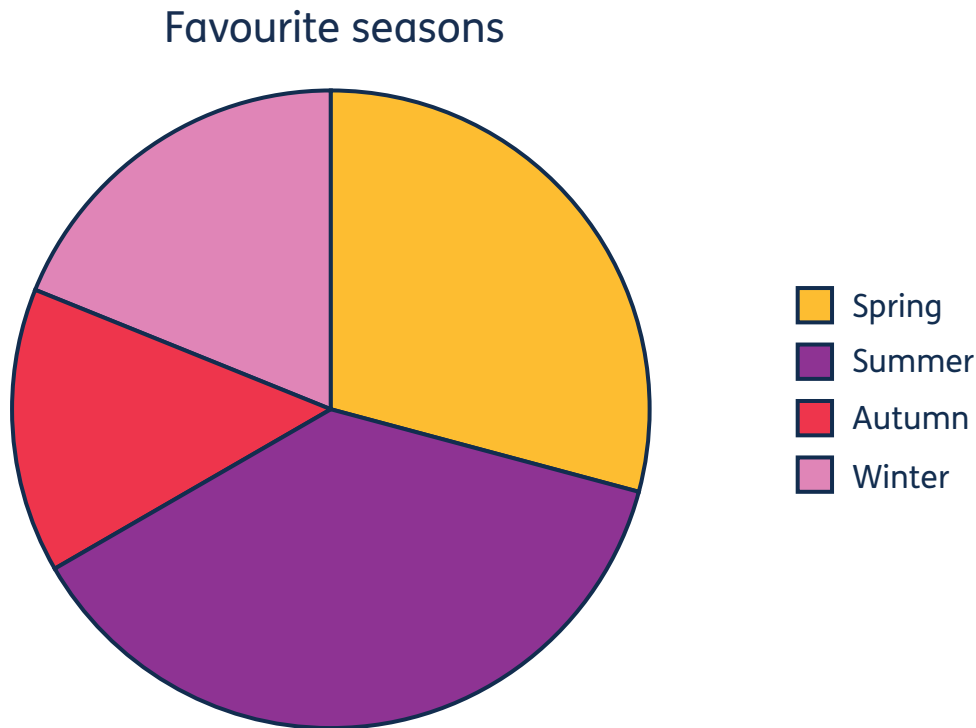
These circles have the same radius of 3cm.
What is the width of W ?



Nets, circles and statistics

Question 5

48 people were asked, 'What is your favourite season?' This pie chart shows the results.



- a** 14 people like spring best, which is 105° on the pie chart. How many degrees represent 1 person?

- b** 18 people said they preferred summer. What angle is summer on the pie chart?



Nets, circles and statistics

- c Autumn measures 52.5° and winter measures 67.5° . How many more people preferred winter to autumn?



- d 6 people changed their mind. They now want to pick autumn instead of summer. How big are autumn and summer on the pie chart now?



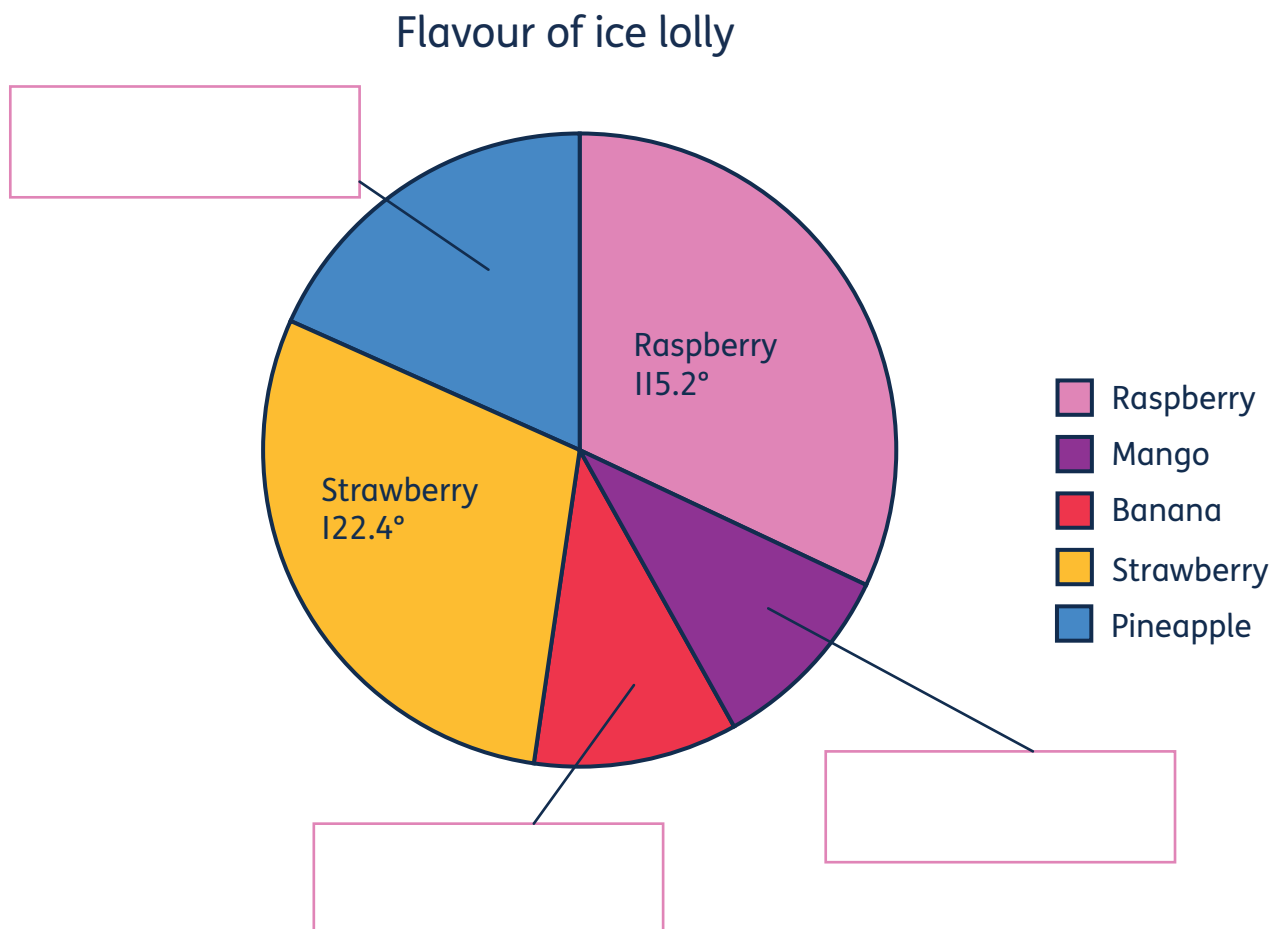
Nets, circles and statistics

Question 6

Daisy sold 100 fruit lollies at the park.

Flavour of ice lolly	Number sold
Raspberry	32
Banana	14
Mango	11
Strawberry	34
Pineapple	18

She turns this into a pie chart. Can you fill in the missing labels for pineapple, mango and banana?



Nets, circles and statistics

Question 7

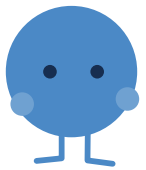
Can you work out the mean average of each set of numbers?

- a 14, 26, 18, 12, 21, 19, 16

- b 9.5, 9.25, 10, 7.25, 3, 12

- c 1000, 1001, 1004, 1003, 996, 1011, 1013, 1004

Question 8



Can you write down four different numbers that have a mean average of 12?



Jamal says that the mean average number of people in a class in his year is 28. The other three classes have 32, 30, and 25 people. How many people does his class have?

