Q1. (2017)

1 How many minutes are there in $3\frac{1}{2}$ hours?

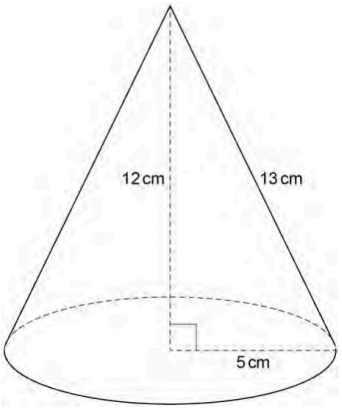
Circle your answer.

[1 mark]

180.5 210 330 350

Q2. (2024)

22 Here is a cone.



(A)

22 (a)

Curved surface area of a cone = πrl
where r is the radius and l is the slant height

Beth tries to work out the curved surface area in terms of π

Curved surface area of the cone = $\pi \times 5 \times 12$
$= 60\pi \text{ cm}^2$

What mistake has she made?

[1 mark]

(B)

22 (b) Adam uses $\pi = 3$ to estimate the area of the **base** of the cone.

Work out his estimate.

[2 marks]

Answer _____ cm^2

(C)

22 (c) Beth uses $\pi = 3.14$ to estimate the area of the **base** of the cone.

Is Beth's estimate more than or less than Adam's estimate?

Tick a box.

More than ☐ Less than ☐

Give a reason for your answer.

[1 mark]

Q3. (2024)

23 Each day, Erik drinks

$\frac{1}{4}$ of a pint of milk in the morning

and

$\frac{1}{2}$ of a pint of milk in the afternoon.

How many pints of milk does he drink in 30 days?

[3 marks]