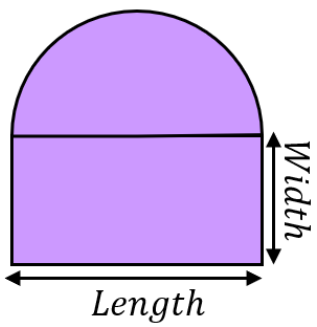
Circle Problems in Reverse

(a) A circle has a circumference of $50\ cm$. Find the diameter of the circle to 1 decimal place.
(b) A circle has a circumference of $24\pi\ cm$. Find the diameter of the circle.
(c) A circle has a circumference of $115\ mm$. Find the radius of the circle to 1 decimal place.

(a) A circle has an area of $16\pi\ cm^2$. Find the radius of the circle.
(b) A circle has an area of $82\ cm^2$. Find the radius of the circle to 1 decimal place.
(c) A circle has an area of $14.2\ m^2$. Find the diameter of the circle correct to 1 decimal place.

(a) A semi-circle has an area of $35\ cm^2$. Find the radius of the semi-circle to 1 decimal place.
(b) A semi-circle has an area of $32\pi\ cm^2$. Find the diameter of the semi-circle.
(c) A quarter circle has an area of $4\ m^2$. Find the radius of the quarter circle to 1 decimal place.

Given the total area of this compound shape is $100\ cm^2$ and the area of the rectangle is $66\ cm^2$, find length and width of the rectangle.



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