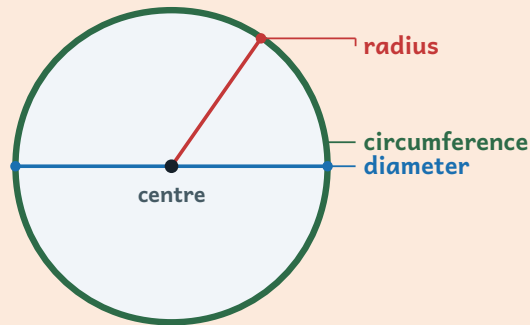


CIRCUMFERENCE OF A BUILDING TIN

- 1 The tin measures **10 cm** straight across the middle (its diameter).
- 2 Multiply diameter by pi: $10 \times 3.14 = \mathbf{31.4}$.
- 3 The string that wraps once around the tin is about **31.4 cm** long.

WARM-UP

Use the three blank circles drawn on the page.



1. On the first circle write diameter 5 cm and circumference 15.7 cm
2. On the second circle write diameter 65 cm and circumference 204 cm
3. On the third circle write diameter 4 cm and circumference 12.56 cm

PRACTICE

- 1 You are making a round wooden lid for a toy box. Its diameter is **8 cm**. What is the circumference of the lid?
- 2 While building a model rocket you cut a circle with diameter **7 cm**. About how long is the string that goes once around it?
- 3 The string round a building tin measures **18.84 cm**. How wide is the tin straight across the middle?
- 4 You fit a bicycle wheel of diameter **65 cm** onto a go-kart you are building. About how far does the wheel roll in one full turn?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|--|--|
| a. The circumference of a circle is about 3.14 times its diameter <input type="text"/> | c. $C \div d$ equals about 3.14 <input type="text"/> |
| b. Pi gets bigger when the circle is larger <input type="text"/> | d. A circle with diameter 10 cm has circumference 20 cm <input type="text"/> |

