

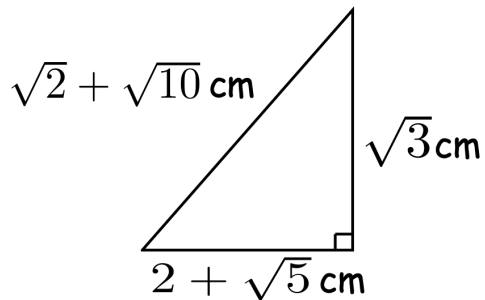


Write down the value of:

$$125^{\frac{1}{3}}$$

Write down the value of:

$$8^{-2}$$

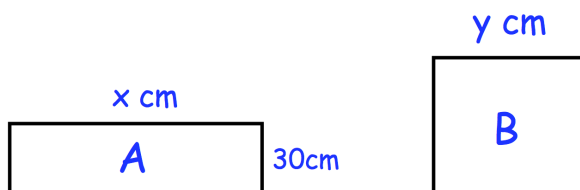


Show this triangle is right-angled.

At a cafe, a coffee costs £x and a tea costs £y.

If
6 coffees and 7 teas cost £22
and
8 coffees and 9 teas cost £29

Find the cost of a coffee and the cost of a tea.



The width of B is 50% more than the width of A

The area of B is 20% more than the area of A

Work out the ratio $x : y$
Give your answer in its simplest form.