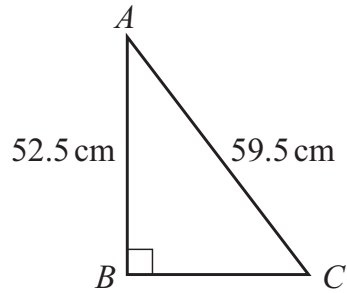


21 The diagram shows a right-angled triangle  $ABC$ .



NOT TO  
SCALE

Calculate  $BC$ .

$$BC = \dots\dots\dots \text{ cm [3]}$$

22 (a) Anil invests \$2000 and Baz invests \$7500.

Write the ratio money invested by Anil : money invested by Baz in its simplest form.

$$\dots\dots\dots : \dots\dots\dots [1]$$

(b) Kamil and Lavik share some money in the ratio Kamil : Lavik = 5 : 9.  
Lavik receives \$72 more than Kamil.

Calculate the total amount of money they share.

$$\text{\$ } \dots\dots\dots [2]$$

(c) Vanisha invests \$4000 for 5 years at a rate of 3.5% per year compound interest.

Calculate the total interest earned during the 5 years.

$$\text{\$ } \dots\dots\dots [3]$$