

- 1 (a) Ali and Ben receive a sum of money.
They share it in the ratio 5 : 1.
Ali receives \$2345.

Calculate the total amount.

$$\frac{5+1}{5} \times \$2345 = \$2814$$

Answer(a) \$ 2814 [2]

- (b) Ali uses 11% of his \$2345 to buy a television.

Calculate the cost of the television.

$$\frac{11}{100} \times \$2345 = \$257.95$$

Answer(b) \$ 257.95 [2]

- (c) A different television costs \$330.

- (i) Ben buys one in a sale when this cost is reduced by 15%.

How much does Ben pay?

$$\frac{15}{100} \times \$330 = \$49.50$$

$$\$330 - \$49.50 = \$280.50$$

Answer(c)(i) \$ 280.50 [2]

- (ii) \$330 is 12% less than the cost last year.

Calculate the cost last year.

last year	this year
100 %	88 %
x	\$ 330

$$x = \frac{100}{88} \cdot \$330$$

$$= \$375$$

Answer(c)(ii) \$ 375 [3]