

Learner 3 - GI 2, 3 4 and 7

Meets requirements for addition, multiplication, division, percentages, decimals and fractions

Shelter Trees

Dave wants to plant a row of trees for shelter.

The row of trees will be 72 m long.

After visiting the local nursery Dave decides to plant leyland cypress.

The nursery advice the trees should be planted $1\frac{1}{2}$ m apart.

The nursery sells the trees for \$4.20 plus GST.



Work out how many trees Dave will need for his shelter belt and the total cost.

$$1\frac{1}{2} = 1.5 \quad (1)$$

$$(2) 72 \div 1.5 = 48 \text{ trees @ } \$4.20 \text{ ea} = \$201.60 \quad (3)$$

$$\$201.60 + 15\% \text{ GST} = 201.60 \times .15 \quad (4)$$

$$= \$30.24 + \$201.60 \quad (5)$$

$$= \$231.84$$