

TV repairs

This task is about working out what parts of a formula mean.



Quickfix Electrical used this formula to work out the cost of repairs for Mr Semesi's TV.

$$c = 25 + 30t$$

What does the t in the equation represent?

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|---|---|
| <input type="radio"/> The total amount that Mr Semesi had to pay for the repairs. | <input type="radio"/> The amount Quickfix Electrical charge for travelling to Mr Semesi's house. |
| <input type="radio"/> The number of hours it took to fix Mr Semesi's TV set. | <input type="radio"/> The amount Quickfix Electrical charge for each hour spent repairing the TV. |

b) Ajax Appliances used this formula for working out the costs of repairing Ms Parata's TV set.

$$c = 20 + 32h$$

c = the total cost of the repairs.

h = the number of hours that the repairs took.

i) What does the 20 in the equation represent?

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| <input type="radio"/> The total amount that Ms Parata had to pay for the repairs. | <input type="radio"/> The number of repairs that Ajax Appliances made. |
| <input type="radio"/> The amount Ajax Appliances charge for travelling to Ms Parata's house. | <input type="radio"/> The amount Ajax Appliances charge for each hour repairing the TV. |

ii) What does the 32 in the equation represent?

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|--|---|
| <input type="radio"/> The average time taken by Ajax Appliances to fix a TV set. | <input type="radio"/> The average number of repairs that Ajax Appliances make per hour. |
| <input type="radio"/> The number of hours it took to fix Ms Parata's TV set. | <input type="radio"/> The amount Ajax Appliances charge for each hour spent repairing the TV. |