

Name: .....

Date: .....

# Christmas Shopping.



Use the information below to calculate the cost of each toy.

$$\text{Truck} + \text{Bear} = \text{£4.70}$$

$$\text{Truck} + \text{Ball} + \text{Xylophone} = \text{£4.70}$$

$$\text{Xylophone} + \text{Ball} = \text{£3.50}$$

$$\text{Bear} + \text{Xylophone} = \text{£6.00}$$




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Now you have calculated the price of each toy work out the cost of:

1)  +  =





1)  +  =

1)  +  =

1)  +  +  =

1)  +  +  =

1)  +  +  =

1)  +  +  +  =

## Answers.

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$$\text{Bear} + \text{Xylophone} = \text{£6.00}$$

Using the first two equations:

$$\text{Ball} + \text{Xylophone} = \text{Bear}$$

∴ Equation 3 shows

$$\text{Bear} = \text{£3.50}$$

Continuing to use substitution will give the following answers:



$$\text{Truck} = \text{£1.20} \quad \text{Xylophone} = \text{£2.50} \quad \text{Ball} = \text{£1.00} \quad \text{Bear} = \text{£3.50}$$

## Answers.




# Christmas Shopping.




Now you have calculated the price of each toy work out the cost of:




1)  +  = £3.50

2)  +  = £2.20

3)  +  = £6.00

4)  +  +  = £7.20

5)  +  +  = £5.70

6)  +  +  = £6.00

7)  +  +  +  = £8.20