## Clothes Shop Sales

I can solve money problems involving unequal sharing and grouping.


You own a clothes shop. You buy items at cost price from a warehouse. You then increase each item by $\frac{3}{5}$ of the price you bought them for to make a profit. At the end of a season, you have a sale to make way for new stock. You reduce each item by $\frac{1}{4}$ of the pre-sale price.

1. Complete the following table, the information for T-shirt has been completed:

| Item | Price of each item in warehouse | Original selling price (add $\frac{3}{5}$ to cost) | Price in sale (subtract $\frac{1}{4}$ from original selling price) |
| :---: | :---: | :---: | :---: |
| T-shirt | £10 | £16 $\begin{aligned} & (10 \div 5 \times 3=6 \\ & £ 10+£ 6=£ 16) \end{aligned}$ | $\begin{gathered} £ 12 \\ (16 \div 4=4 \\ £ 16-£ 4=£ 12) \end{gathered}$ |
| Trousers | £25 |  |  |
| Coat | £80 |  |  |

## Clothes Shop Sales

These are the numbers of items bought, sold pre sale and in the sale.

|  | Bought | Sold pre-sale | Sold in sale |
| :---: | :---: | :---: | :---: |
| T-shirt | 20 | 10 | 8 |
| Trousers | 15 | 10 | 3 |
| Coat | 12 | 8 | 2 |

2. How much money was made on each item? The profit made for T-shirts has been completed, fill in the information for the remaining items:

|  | T shirt | Trousers | Coat |
| :---: | :---: | :---: | :---: |
| Cost from <br> warehouse | $£ 200(10 \times 20)$ |  |  |
| Pre sales | $£ 160(16 \times 10)$ |  |  |
| Sale | $£ 96(12 \times 8)$ |  |  |
| Total | $£ 256(160+96)$ |  |  |
| Profit | $£ 56(256-200)$ |  |  |

## Clothes Shop Sales - Answers

I can solve money problems involving unequal sharing and grouping.

1. Complete the following table, the information for T-shirt has been completed:

| Item | Price of each item <br> in warehouse | Original selling <br> price (add $\frac{3}{5}$ to cost) | Price in sale <br> (subtract $\frac{1}{4}$ from <br> original selling price) |
| :---: | :---: | :---: | :---: |
| T-shirt | $£ 10$ | $£ 16$ | $£ 12$ |
| Trousers | $£ 25$ | $£ 40$ | $£ 30$ |
| Coat | $£ 80$ | $£ 128$ | $£ 96$ |

1. How much money was made on each item? The profit made for T-shirts has been completed, fill in the information for the remaining items:

|  | T shirt | Trousers | Coat |
| :---: | :---: | :---: | :---: |
| Cost from <br> warehouse | $£ 200(10 \times 20)$ | $£ 375$ | $£ 960$ |
| Pre sales | $£ 160(16 \times 10)$ | $£ 400$ | $£ 1024$ |
| Sale | $£ 96(12 \times 8)$ | $£ 90$ | $£ 192$ |
| Total | $£ 256(160+96)$ | $£ 490$ | $£ 1216$ |
| Profit | $£ 56(256-200)$ | $£ 115$ | $£ 256$ |

