|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Original height (cm) | | 125 | 150 | 140 |  |  |  |  |  |
| Height  increase | Percentage |  | 16% |  | 15% | 8% | 12.5% | 25% | 22.5% |
| Amount (cm) | 30 |  |  | 27 | 10 | 20 |  |  |
| New height (cm) | |  |  | 189 |  |  |  | 175 | 196 |

1) Lucy’s height was 125 cm. 5) Mary’s height increased by 10 cm.

It increased by 30 cm. This was 8% of her original height.

Calculate a) the percentage increase in height, Calculate a) her original height,

b) her new height. b) her new height.

2) Aminah’s height was 150 cm. 6) Karen’s height increased by 12.5%.

Her height increased by 16%. This increase in height was 20 cm.

Calculate a) the increase in height, Calculate a) Karen’s original height,

b) Aminah’s new height. b) Karen’s new height.

3) Wayne’s height was 140 cm. 7) Uzair’s height increased by 25%.

It increased to 189 cm. His new height was 175 cm

Calculate a) the percentage increase in height, Calculate a) his original height,

b) the increase in height. b) the increase in height.

4) Mohammad’s height increased by 15%. 8) Toby’s height increased to 196 cm.

The increase in height was 27 cm. This was an increase of 22.5%

Calculate a) Mohammad’s original height, Calculate a) his original height,

b) Mohammad’s new height. b) the increase in height.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Original price (£) | | 75 | 125 | 150 |  |  |  |  |  |
| Price  reduction | Percentage |  | 12% |  | 25% | 27.5% | 32% | 6% | 12.5% |
| Amount (£) | 12 |  |  | 7 | 11 |  |  |  |
| New price (£) | |  |  | 114 |  |  | 34 | 188 | 70 |

1) A jacket cost £75. 5) The cost of a bag was reduced by £11.

The price was reduced by £12. This was a reduction of 27.5%.

Calculate a) the percentage reduction in price, Calculate a) the original price,

b) the new price. b) the new price.

2) A dress cost £125. 6) The price of a cardigan was reduced by 32%.

The price was reduced by 12%. The new price was £34.

Calculate a) the price reduction, Calculate a) the original price,

b) the new price. b) the price reduction.

3) A suit was £150. 7) The cost of a coat was reduced to £188.

The price was reduced to £114. This was a reduction of 6%.

Calculate a) the percentage reduction in price, Calculate a) the original price,

b) the reduction in price. b) the reduction in price.

4) The price of a shirt was reduced by 25%. 8) The price of a skirt was reduced to £70.

This was a reduction of £7. This reduction was 12.5% of the original price.

Calculate a) the original price, Calculate a) the original price,

b) the new price. b) the price reduction.