1) a) *18 is 10% so to find 100% × 10.*
        18 × 10 = 180 so the total = 180.
        If we know 10% is 18, we can see that 10 lots of this will make the whole number.

    b) *26 is 20% so we can halve this to find 10%.*
        26 ÷ 2 = 13 to find 100% × 10 so 13 × 10 = 130, which is the total amount.
        If we know 10% is 13, we can see that 10 lots of this will make the whole number.

2) a) *150*

    b) *400*

    c) *2000*

    d) *3500*

3) *£60 altogether. Each bag has £12 in it.*

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1) *Jack is incorrect.*
    Bar model B is 75% of bar model A.
    Bar model B has a total value of 45 × 5 = 225.
    25% of bar model A is 75 (225 ÷ 3)
    4 × 75 = 300 (4 × 25% = 100%)

    Total of A = 300
    Total of B = 225

2) a) *25% of 60 = 60 % of 25*
        True because the answer to both calculations is 15.

    b) *60% of 10 = 10% of 60*
        True because the answer to both calculations is 6.

    c) *60% of 120 = 50% of 60*
        False because the answer to the first calculation is 72 but 50% of 60 is 30.

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1) *Field A*
    *The whole size of the field is 90m². *
    55% + 15% of the field measures 70% = 63m².

    Field B
    The whole size of the field is 2800m² (5% = 140m² × 20 = 2800²).
    55% + 15% of the field measures 70% = 1960m².

2)

Crop	Area covered by crop in 480m² field	Area covered by crop in 450m² field
Potatoes: 25%	120m²	112.5 m²
Onions: 5%	24m²	22.5m²
Cauliflower: 40%	192m²	180m²
Carrots: 30%	144m²	135m²