Answers

- 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.
 a) 150 b) 400 c) 2000
 - d) 3500
- 3) £60 altogether. Each bag has £12 in it.
- 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.

1) Field A

The whole size of the field is $90m^2$. 55% + 15% of the field measures $70\% = 63m^2$.

Field B

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

| 2) | Сгор | Area covered by crop in 480m² field | Area covered by crop in 450m² field |
|----|------------------|--|--|
| | Potatoes: 25% | 120m ² | 112.5 m² |
| | Onions: 5% | 2 4m² | 22,5m² |
| | Cauliflower: 40% | 192m² | 180m² |
| | Carrots: 30% | 144m² | 135m² |





