

Chapter 18

Exercise 18A

- 1 No.
- 2
 - a 138
 - b 747.1 cm^2
 - c 81.7 cm^2
 - d More tops per strip; less waste
- 3
 - a
 - (i) 18
 - (ii) £161.82
 - b £54
 - c £30.85
 - d Better online, saves £0.85
- 4 £14.14
- 5
 - a £7.23
 - b £4.35
 - c £18.40
- 6
 - a 11.47 m^2
 - b 22.93 m^2

1 tin is enough.
- 7 Large pizza is less than twice size of small pizza. Large is 885.9 cm^2 ; small is 489.3 cm^2 .
- 8
 - a 46.14 m
 - b £288.84
 - c £79.55
- 9
 - a £860.37
 - b £634.29

- 10 First is cheapest as least area.
 3481.75 cm^2
 4712.39 cm^2
 7854 cm^2
- 11 Very poor measurement markup on diagram
 - a 203.23 m^2
 - b 13 treatments - £141.10
- 12 £328.79
- 13
 - a 184.94 cm^2
 - b £7.90
- 14
 - a 706.86 cm^2
 - b 493.14 cm^2
- 15
 - a 44.78 cm^2
 - b
 - (i) 25155.22 cm^2
 - (ii) One pot just too short.
- 16
 - a 29
 - b £1507.71
- 17
 - a 11.66 m
 - b
 - (i) 209.91 m^2
 - (ii) 209.91 m^2
 - (iii) 71.05 m^2

£635.58.
- 18 3859 m

Activity

white is largest.
blue is smallest.