

6. a 1, 2, 3, 4, 6, 12 b 1, 2, 3, 6, 9, 18
c 1, 2, 3, 6 d 6
7. a 1, 2, 3, 5, 6, 10, 15, 30
b 1, 2, 3, 4, 6, 9, 12, 18, 36
c 1, 2, 3, 6 d 6
8. a 2 b 7 c 6 d 4
e 5 f 20 g 1 h 15
9. a 4 b 5 c 7 d 4
e 6 f 8 g 9 h 25
10. a 2 b 40 c 30
d 3 e 4 f 60

Chapter 17 - Exercise 3 (page 170)

1. mult of 2 - 2, 4, 14, 28, 32, 42, 56, 60, 70
mult of 4 - 4, 28, 32, 56, 60
mult of 7 - 14, 21, 28, 42, 56, 70
2. factors of 16 - 1, 2, 4, 8, 16
factors of 24 - 1, 2, 4, 6, 8, 12
factors of 42 - 1, 2, 3, 6, 7, 14, 21
3. a 1, 2, 4 (3) b 1, 2, 4, 8, 16 (5)
c 1, 5, 25 (3)
d 1, 2, 3, 4, 6, 9, 12, 18, 36 (9)
e 1, 7, 49 (3)
f 1, 2, 4, 5, 10, 20, 25, 50, 100 (9)
g 1, 2, 4, 8, 16, 32, 64 (7)
h 1, 3, 9 (3)
4. a true b square numbers
c factors match up in pairs giving an even number but the middle number is on its own => there is always an odd number
5. a 40 sec b 80 secs
6. a 6 pm b 6 am next day
7. a 6th June b 1st July
8. 1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 15, 18, 20, 24, 30, 36, 40, 45, 60, 72, 90, 120, 180, 360

Answers to CHAPTER 18 (page 173)

Chapter 18 - Exercise 1 (page 173)

1. a 6 b 9 d 5 d 27
2. a (i) 10 (ii) 20 (iii) 25 (iv) 14 (v) 8
b 12
3. a (i) 6 (ii) 8 (iii) 3 (iv) 11
b P7 c 37
4. a (i) 16 (ii) 2 (iii) 21 (iv) 18
b 85 c All girls (low football choice)
5. a (i) 20 (ii) 14 (iii) 15 (iv) 27 (v) 43
b Burger c 12 d 119
6. a 6, 2, 4, 3, 1 b 3
c Masala d 2
7. a (i) 120 cm (ii) 130 cm (iii) 135 cm
b 16 c 8 d 142-143 cm
8. a (i) 250 (ii) 325 (iii) 400 (iv) 325 (v) 375
b 8 am to 9 am c 7-8am and 8-9am
d people going to work or school
9. a 600 b (i) 200 (ii) 1400 (iii) 300
c 200 d (i) Apr-May (ii) Aug-Sept
e 5000 f gets hotter and colder
10. a (i) AC (ii) RH (iii) AC (iv) same
b (i) AC - 400, RH - 200
(ii) AC - 300, RH - 350
(iii) AC - 250, RH - 450
c AC - 2000, RH - 1950 => AC did better
11. a (i) £316 (ii) £412 (iii) £497 (iv) £453
b 2 weeks in Pine Hotel
c (i) £632 (ii) £898
12. a €349 b €679 c €758
d €1008 e €2065 f Portugal
13. a (i) £6.50 (ii) £13.50 (iii) £9.50 (iv) £9.50
b 11 to 20 kg delivered between 5-10 km

Chapter 18 - Exercise 2 (page 178)

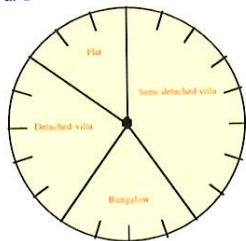
1. a Blackcurrant b Bl-Ra-LI-Le-Wa

The Answers to Book 2a

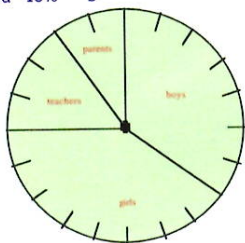
2. a 5 b 3 c 2
3. a (i) $\frac{4}{10}$ (ii) $\frac{2}{10}$ (iii) $\frac{1}{10}$ (iv) $\frac{3}{10}$
b Chinese - Indian - Scottish - Italian
c (i) 5 (ii) 15 (iii) 10 (iv) 20
4. a 80 b 60 c 40 d 20
5. a $\frac{1}{20}$
b (i) $\frac{9}{20}$ (ii) $\frac{5}{20}$ (iii) $\frac{4}{20}$ (iv) $\frac{2}{20}$
c 20
d (i) 180 (ii) 100 (iii) 80 (iv) 40
6. a 40% b 30% c (i) 80 (ii) 160
7. a A - baldy tyres B - brake fault
C - exhaust fault D - no road tax
b (i) 64 (ii) 36 c baldy tyres
8. various e.g. $123 + 45 - 67 + 8 - 9 + 0 = 0$
9. Tim has 50 games and Eric has 70

Chapter 18 - Exercise 3 (page 180)

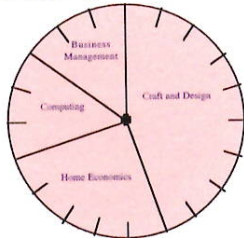
1. see pupils' graphs
2. see pupils' graphs
3. a apple - 11, banana - 9, orange - 3
pear - 2, grapes - 7
b see pupils' graphs
4. see pupils' graphs
5. a see pupils' graphs
b March to April - April showers?
6. a see pupils' graphs
b 14 c 8-14 d 18
7. a/b



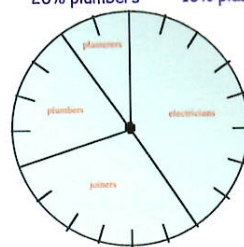
8. a 10% b



9. a 15% b

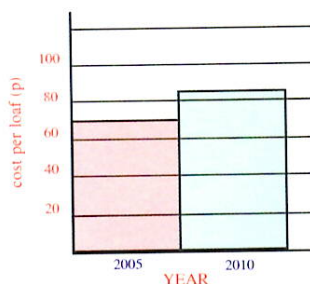


10. a 40% electricians 30% joiners
20% plumbers 10% plasterers



Chapter 18 - Exercise 4 (page 183)

1. a to make it look as if petrol price had risen by a lot.
b people who want petrol price to drop
2. a it looks as if the price in 2010 was nearly 4 times that in 2005
- b



3. a Looks like Adesco's prices are less than half of the other 2 supermarkets
b



4. a Looks like the lady lost a huge number of kilograms in weight
b show graph with vertical scale starting at zero
5. a no title and no vertical scale
b vertical scale does not rise equally
horizontal scale misses out years
c vertical scale too small to pick out any changes in pay with accuracy
d area of big ball looks huge compared to small one when its only just over twice
e no vertical scale - might not have started at 0
f vertical scale does not start at zero
bars have varying widths
6. See pupils' collected graphs.

Chapter 18 - Exercise 5 (page 185)

1. Check and display pupils' work