

Group 1  
Answers

Chapter 15 - Exercise 2 (page 155)

1. the 3 times table starting at 6
2. a the 4 times table starting at 4  
b the 6 times table starting at 6  
c the 5 times table starting at 15  
d the 10 times table starting at 30  
e the 9 times table starting at 18  
f the 8 times table starting at 56 → down
3. a 24, 28, 32                      b 36, 42, 48  
c 40, 45, 50                        d 80, 90, 100  
e 54, 63, 72                        f 16, 8, 0
4. begin at 8 and go up 3 each time
5. a begin at 5 and go up 2 each time  
b begin at 4 and go up 3 each time  
c begin at 8 and go up 4 each time  
d begin at 7 and go up 10 each time  
e begin at 83 and go up 5 each time  
f begin at 2 and go up 0.5 each time  
g begin at 14 and go up 1 each time  
h begin at 52 and go down 4 each time  
i begin at 64 and go down 9 each time  
j begin at 3700 and go down 100 each time
6. a 15, 17, 19                        b 19, 22, 25  
c 28, 32, 36                        d 57, 67, 77  
e 108, 113, 118                    f 4.5, 5.0, 5.5  
g 21, 22, 23                        h 36, 32, 28  
i 28, 19, 10                        j 3300, 3200, 3100

7. a



- b 3, 6, 9, 12, 15, 18, 21  
c start with 3 matches and add 3 matches  
d 30

8. a 24            b 6, 12, 18, 24, 30, 36  
c start with 6 cherries and add 6 cherries  
d 54

e (i) 18 (ii) 27, (iii) 54 (iv) 90

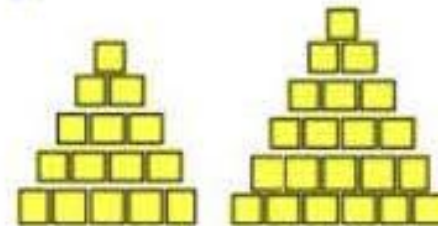
9. a 8            b 13            c 21  
d ...21, 34, 55, 89, 144, ...

10. a 18, 29, 47, 76, 123, 199,  
b 12, 19, 31, 50, 81, 131, 212

11. various

12. a possibly going up by 5 then 7 then 9 ...  
b  $24 = 4 \times 6$ ,  $35 = 5 \times 7$ ,  $48 = 6 \times 8$   
c  $7 \times 9 = 63$                       d 63, 80, 99, 120, ...

13. a



b  $15 = 1 + 2 + 3 + 4 + 5$

c  $21 = 1 + 2 + 3 + 4 + 5 + 6$

$28 = 1 + 2 + 3 + 4 + 5 + 6 + 7$

$55 = 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$

**Group 2**  
**Answers**

**Chapter 13 Exercise 1 (page 140)**

- a start at 2 and go up by 2  
b start at 3 and go up by 3  
c start at 1 and go up by 5  
d start at 70 and go down by 10  
e start at 20 and go down by 3  
f start at 30 and go up by 8  
g start at 21 and go down by 2  
h start at 50 and go up by 50  
i start at 200 go down by 20  
j start at 40 and go up by 60  
k start at 18 and go up by 7

- l start at 66 and go down by 11  
m start at 650 go down by 110  
n start at 1 and go up by 12  
o start at £1.50 go up by 50p  
p start at £2.50 go up by £3
- a 10          b 18          c 26  
d 20          e 8          f 62  
g 13          h 250        i 120  
j 280        k 46          l 22  
m 210        n 49          o £3.50  
p £14.50
  - a 17          b 80          c 16  
d 50          e 24          f 23  
g 40          h 47          i 24  
j 42          k 26          l 40  
m 28          n 38          o 154  
p 150
  - a 17, 23          b 7, 19  
c 28, 18        d 17, 27  
e 55, 22        f 15, 21, 39  
g 24, 21, 9     h 65, 55, 35  
i 400, 250, 150 j 0, 80, 200, 240
  - a 1,  $\frac{1}{2}$           b 64, 128  
c 18, 24        d 30, 15  
e 232, 121     f 5 x 7, 6 x 8  
g 21, 34

**Group 3**  
**Answers**

**Ch 23 Exercise 2 (page 196)**

1. a b c d e f g h i j k l m n o p q  
r s t u v w x y z
2. a s, t b I, J c G, F d n, p  
e m, l f T, W g kl, mn h ev, fu
3. a P, Q, R, S, T, U  
b q, p, o, n, m, l, k  
c J, K, L, M, N, O, P  
d L, N, P, R, T, V, X
4. various

**Ch 23 Exercise 3 (page 197)**

1. a 8, 9 b 22, 23  
c 23, 22 d 12, 14  
e 24, 28 f 20, 15  
g 40, 30 h 12, 9
2. a 10, 15, 20, 25, 30, 35  
b 5, 7, 9, 11, 13, 15, 17  
c 90, 80, 70, 60, 50, 40  
d 6, 9, 12, 15, 18, 21, 24  
e 28, 24, 20, 16, 12, 8  
f 11, 22, 33, 44, 55, 66  
g 31, 29, 27, 25, 23, 21  
h 42, 47, 52, 57, 62, 67  
i 12, 23, 45, 56, 67  
j 0, 50, 100, 150, 200, 250, 300