

## Common Factors and the HCF

### Workout

Question 1:

(a) 1, 2, 5, 10

(b) 1, 3, 5, 15

(c) 1, 5

Question 2:

(a) 1, 2, 3, 4, 6, 12

(b) 1, 2, 3, 6, 9, 18

(c) 1, 2, 3, 6

Question 3:

(a) 1, 2

(b) 1, 5

(c) 1, 3

(d) 1, 7

(e) 1, 2, 5, 10

(f) 1, 3

(g) 1, 2, 3, 6

(h) 1, 2, 4, 8

Question 4:

(a) 1, 2, 7, 14

(b) 1, 3, 7, 21

(c) 7

Question 5:

(a) 1, 2, 3, 4, 6, 8, 12, 24

(b) 1, 2, 3, 4, 6, 8, 12, 18, 36

(c) 12

Question 6:

(a) 2

(b) 3

(c) 3

(d) 4

(e) 3

(f) 1

(g) 15

(h) 20

(i) 7

(j) 12

(k) 4

(l) 9

(m) 50

(n) 6

(o) 90

(p) 13

Question 7:

(a) 3

(b) 3

(c) 5

(d) 4

(e) 1

(f) 6

(g) 9

(h) 25

### Apply

Question 1: No, 6 is a common factor of 42, 36 but not 50.

Question 2: 9

Question 3: He has forgot that 1 and 18 are factors of 18 and that 1 and 36 are factors of 36. 18 would actually be the HCF.

Question 4: For example, 12 and 9.

Question 5: For example, 40 and 8.

Question 6: For example, 5 and 8.