MULTIPLES AND FACTORS

Exercise 1

1) List the first TEN multiples of the following numbers:
   a) 1  b) 2  c) 3  d) 4  e) 5
   f) 6  g) 7  h) 8  i) 9  j) 10

2) Using your answers to Question 1, write down any common multiples of
   a) 2 and 5  b) 4 and 6  c) 5 and 9
   d) 6 and 9  e) 8 and 10  f) 4 and 10
   g) 5 and 8  h) 3 and 7  i) 2 and 9
   j) 5 and 6

Exercise 2

1) Write down all the multiples of 3 between 1 and 20

2) Write down all the multiples of 5 between 12 and 30

3) Write down all the multiples of 2 between 2 and 50

4) Which of these numbers are multiples of 10

   12, 20, 47, 69, 98, 30, 21, 40, 79, 100, 24, 150

5) Which of these numbers are multiples of 5:

   15, 20, 43, 78, 88, 35, 21, 40, 76, 100, 25, 150
6) What number am I thinking of:
   • It is between 20 and 25
   • It is a multiple of 3
   • It is a multiple of 7

7) What number am I thinking of:
   • It is between 11 and 18
   • It is a multiple of 3
   • It is a multiple of 5

Exercise 3

1) Write down all the ways to make the following numbers by multiplying two numbers together.
   For example   \(18 = 1 \times 18, \ 2 \times 9, \ 3 \times 6\)
   
   a) \(14 = \_ \times \_ , \_ \times \_\)   
   b) \(9 = \_ \times \_ , \_ \times \_\)  
   
   c) \(6 = \_ \times \_ , \_ \times \_\)   
   d) \(8 = \_ \times \_ , \_ \times \_\)  
   
   e) \(7 = \_ \times \_\)   
   f) \(16 = \_ \times \_ , \_ \times \_ , \_ \times \_\)  
   
   g) \(20 = \_ \times \_ , \_ \times \_ , \_ \times \_\)   
   h) \(12 = \_ \times \_ , \_ \times \_ , \_ \times \_\)  
   
   i) \(30 = \_ \times \_ , \_ \times \_ , \_ \times \_ , \_ \times \_\)   
   
   j) \(24 = \_ \times \_ , \_ \times \_ , \_ \times \_ , \_ \times \_\)
Exercise 4
For each ‘factor bug’ draw as many legs as possible

1) 2) 3) 4) 5) 6) 7) 8) 9) 10) 11) 12)

50 21 48 100 36 24