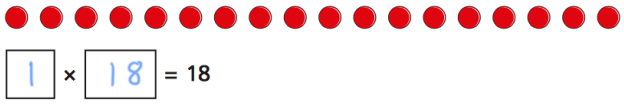
Y4 Maths Mon 18th Jan - Answers

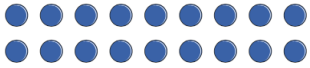
Independent Practice 1:

Alex is making arrays using counters.

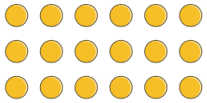
a) What calculation is represented in each array?



1 × 18 = 18



2 × 9 = 18



3 × 6 = 18

b) Use your answers from part a) to help you write all the factors of 18

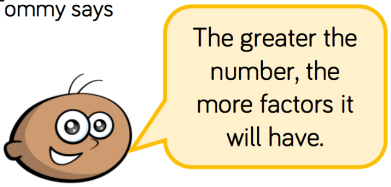
1, 2, 3, 6, 9, 18

Independent Practice 2:

6 – 1, 6, 2, 3
8 – 1, 8, 2, 4
14 – 1, 14, 2, 7
21 – 1, 21, 3, 7
12 – 1, 12, 2, 6, 3, 4
10 – 1, 10, 2, 5
15 – 1, 15, 3, 5
72 – 1, 72, 2, 36, 6, 12, 3, 24, 4, 18, 8, 9
20 – 1, 20, 2, 10, 5, 4
45 – 1, 45, 5, 9, 3, 15
18 – 1, 18, 2, 9, 3, 6
22 – 1, 22, 2, 11

Challenge:

Tommy says



Is Tommy correct?

Use arrays to explain your answer.

Tommy is incorrect.
Children explain by showing an example of two numbers where the greater number has less factors.
For example, 15 has 4 factors 1, 3, 5 and 15
17 has 2 factors 1 and 17