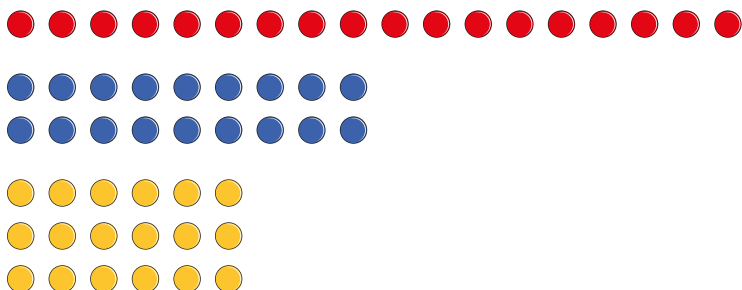


- 1 Alex is making arrays using counters.

a) What calculation is represented in each array?



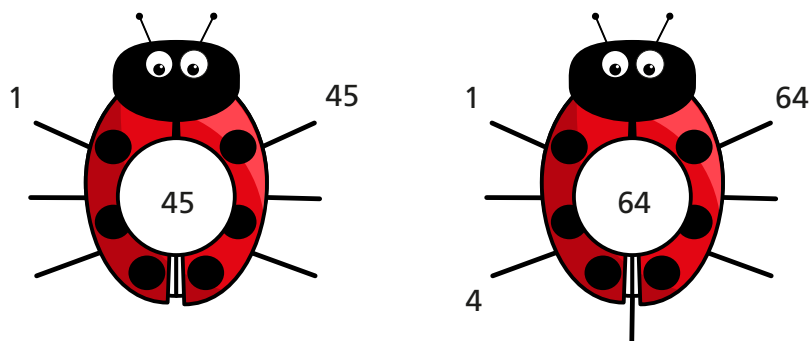
b) Use your answers from part a) to help you write all the factors of 18

- 2 Use counters to make arrays and find the factor pairs for each number.

a) 12 b) 15 c) 24

Which of the numbers has the most factor pairs?

- 3 Complete the factor bugs for 45 and 64



- 4 Find all the factor pairs for the number 72

- 5 Are these statements true or false?

8 and 2 are both factors of 10

5 and 50 are both factors of 50

25 has only three factors.

All the factors of 15 are odd.

Talk about your answers with a partner.

- 6



The bigger the number the more factor pairs it has.

Use examples to show that Dexter is wrong.

- 7 Tommy is finding factors of 12 and 18

12 and 18 have the same number of factor pairs.



- a) Is Tommy correct?

Explain your answer.

- b) Find two other numbers with the same number of factor pairs.

4 Find all the factor pairs for the number 72

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of factor pairs.



a) Is Tommy correct?

Explain your answer.

b) Find two other numbers with the same number of factor pairs.

8 Class 4B is having a sports day.

There are 36 children in the class.

The children need to be in equal groups.

What group sizes are possible?

9 Rosie is investigating factor pairs.

6 is a perfect number
because when you add its
factors together, apart from
itself, they equal 6



What is the next perfect number after 6?