

## Aim

- Recognise and use factor pairs and commutativity in mental calculations.


## 



Find the two factor pairs for 9. Show the arrays to match each factor pair.





Read the statement below. Is it true or false? Explain your answer.

Products will always have an even number of factors.

False because square numbers have an odd number of factors. E.g. 16 has 1 and 16,2 and 8,4 so it has 5 factors.

I agree with Isiah and Miriam because their numbers are both factor pairs for 8 so will create arrays with even rows and columns. I disagree with George because 3 and 2 is not a factor pair for 8 . 3 rows with 2 in each row creates an array of 6 .


Sort the number cards on to the Venn diagram. Decide the sorting criteria using your knowledge of factors.


There are many possible answers.

 four tens and one of my factors is 7 .
 One of my factors is 10 .

42

There are three numbers between 25 and 45 that have 8 factors.

Use these clues to identify each number. Then, in the table, list all 8 factors of each number that you have found.

Factor Pairs

Dive in by completing your own activity!


