

Factor Pairs Diving

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Circle all the numbers that are **not** factors of 30.



1 2 3 4 5 6 7 8 9 10

Find two more factors for 30 that are not in the list above.





5 15 15 3

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Factor Pairs

Diving

0.0000

Find the factors of 15 to complete the factor spiderweb.

2000





Which factor pair is the odd one out and why?

4 and 14

2 and 28

7 and 8

5 and 11

5 and 11 is the odd one out. All the other factor pairs have a product of 56, but the factor pair of 5 and 11 has a product of 55.



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.

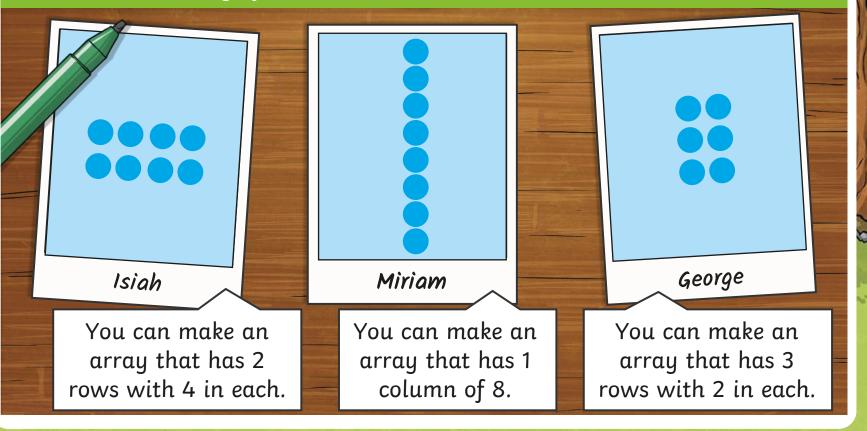


Factor Pairs

Deeper



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.



Factor Pairs

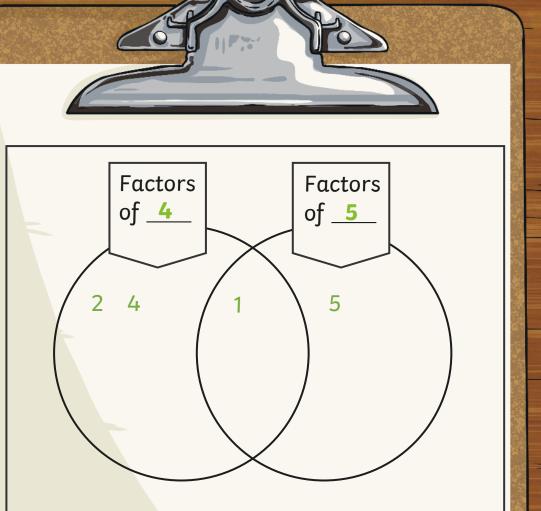
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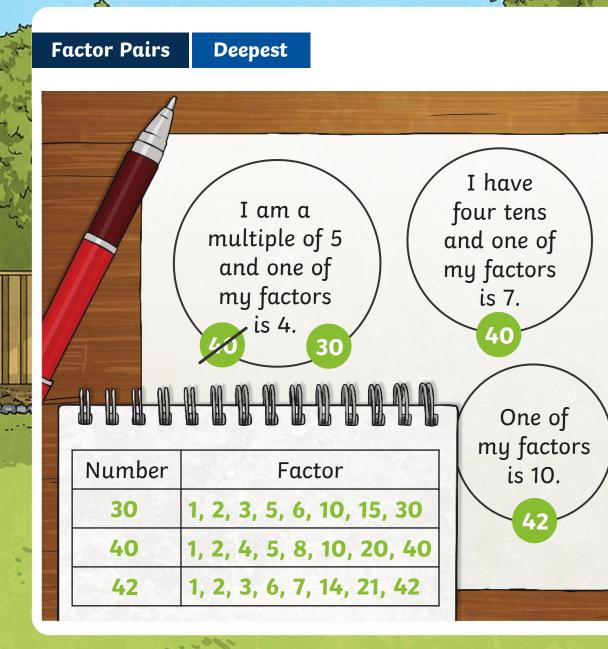
Deepest

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



There are many possible answers. Here is one example.





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

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Dive in by completing your own activity!

