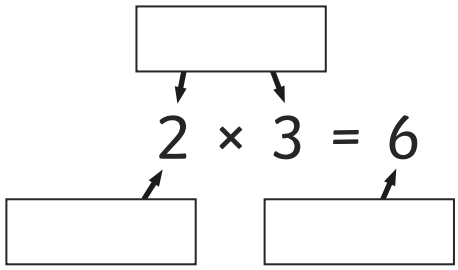
1) Choose the correct mathematical word to label the part of the calculation.

Factor **Product** **Factor Pair**



2) Find all three factor pairs for 16.
Draw the arrays to match each factor pair.

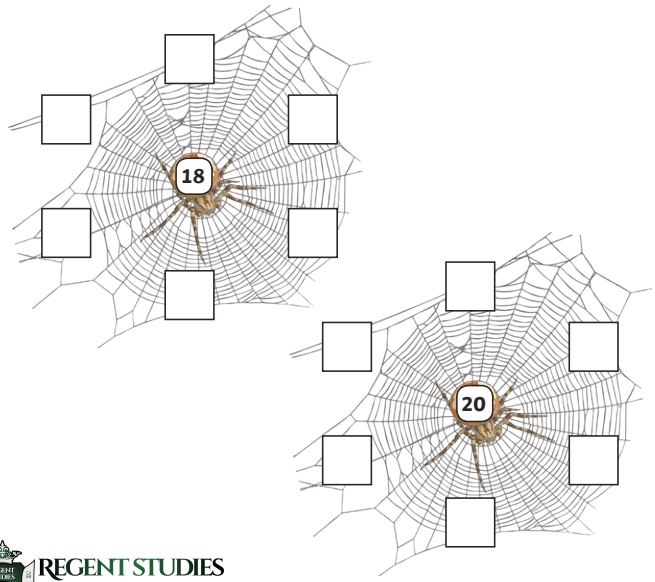
Array 1	Array 2	Array 3
The factor pair is: ☐ and ☐	The factor pair is: ☐ and ☐	The factor pair is: ☐ and ☐

3) **a)** Underline all the numbers that are not factors of 64.

1 2 3 4 5 6 7 8 9 10

b) Find two more factors for 64 that are not in the list above.

4) Complete the factor spider webs.



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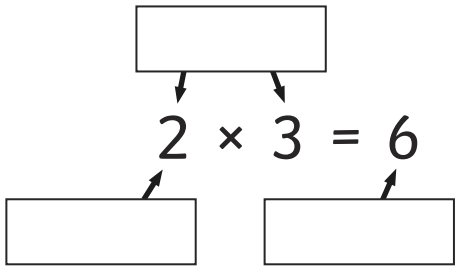

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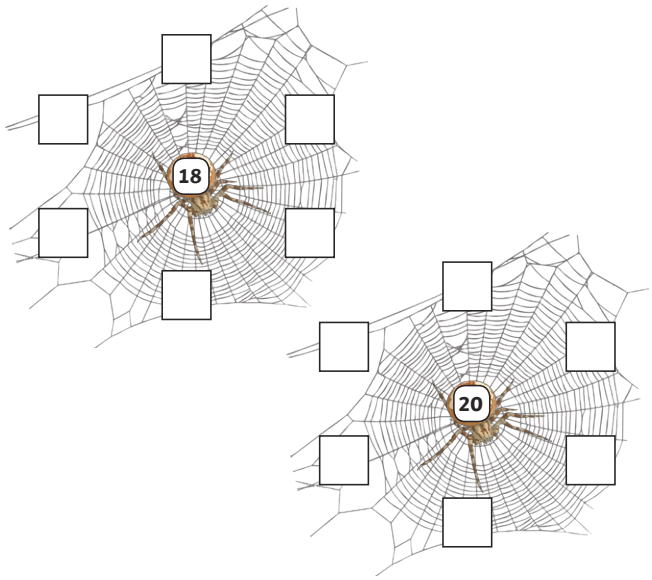

1) Read the statements below and decide whether each one is true or false. Explain your answers.

a) 1 is a factor of every product.

b) A factor is the amount that is created when products are multiplied together.

c) 8 has six factors.

2) Which factor pair is the odd one out and why?

120 and 2	**40 and 60**
8 and 30	**10 and 24**

3) The children have been given 48 counters to make an array with. Who do you agree with and who do you disagree with? Explain your answer.

Mikel

You can make an array that has 2 columns with 24 counters in each column.

Liza

You can make an array that has 6 rows with 8 counters in each row.

Tonya

You can make an array that has 2 rows with 24 counters in each row.

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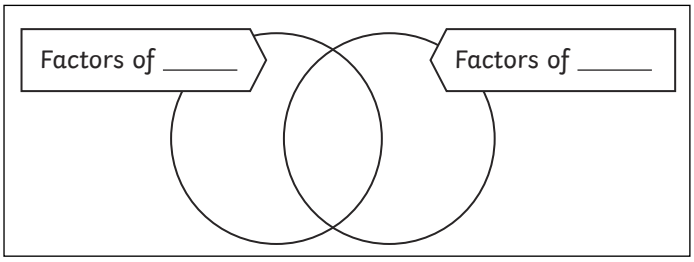
1) Sort the number cards onto the Venn diagram. Decide the sorting criteria using your knowledge of factors. Find three possible solutions.



1	2	3	4	5	6	7	8	9	10

2) There are five numbers between 0 and 100 that have 12 factors. Use these clues to identify each number. Then, list all 12 factors of each number that you have found.

I am a multiple of ten that is less than 75. One of my factors is 6.	I have a digit sum of 12 but I am not 39 or 48.	I am a multiple of 8.
I have nine tens and one of my factors is 12.	I am between 85 and 100.	

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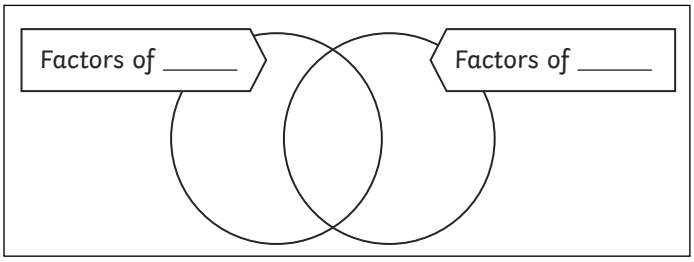

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