

# W.A.L. to understand factors and multiples

A. Circle all the **multiples of 8** in this list of numbers.

18    32    56    68    72

B. Here are six digit cards.

2    3    4    5    6    7

Use all six digit cards to make three multiples of 3

multiple of 3    multiple of 3    multiple of 3

D. Here are four labels.

even    multiples of 9    not even    not multiples of 9

Write each label in the correct position on the sorting diagram below.

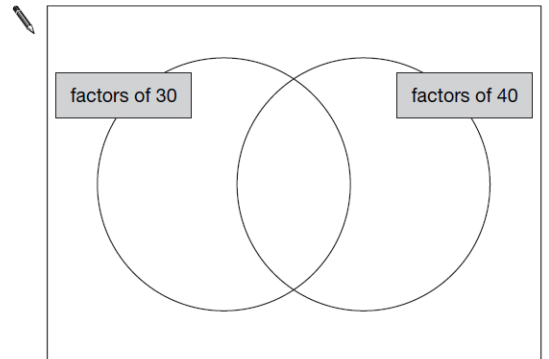
	72 54	56    84
	63 45	49    75

F. Write all the factors of 30 which are also factors of 20

.....

C. Write these numbers in the correct places on the diagram.

5    6    7    8



E. Here are four digit cards.

7    5    2    1

Choose two cards each time to make the following two-digit numbers.

The first one is done for you.

an even number    5 2

a multiple of 9   

a square number   

a factor of 96

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### Extension

A.

P stands for a **multiple of 3**

Q stands for a **different multiple of 3**

Tick (✓) each statement according to whether it is **always true, sometimes true or never true.**



The **sum** of P and Q is a **multiple of 6**

The **difference** between P and Q is a **multiple of 3**

The **product** of P and Q is a **multiple of 9**

	always true	sometimes true	never true
The sum of P and Q is a multiple of 6			
The difference between P and Q is a multiple of 3			
The product of P and Q is a multiple of 9			

B.

Debbie has a pack of cards numbered from 1 to 20

She picks four different number cards.



Exactly three of the four numbers are multiples of 5

Exactly three of the four numbers are even numbers.

All four of the numbers add up to less than 40

Write what the numbers could be.

