



YR5 PROGRESSION IN MASTERY LESSON PACK - MULTIPLES

FLUENCY 1

Circle the multiples of 4.

42	20	9	88	75
45	55	32	12	10
60	4	25	15	66
67	46	35	100	25

A multiple is the _____ of one number _____ by another number.

FLUENCY 2

Complete the Carroll diagram.

	Multiple of 8	Not a multiple of 8
Multiple of 6		
Not a multiple of 6		

FLUENCY 3

Circle 3 numbers which add together to make a multiple of 12.

13	14	15	16
17	18	19	20
21	22	23	24

FLUENCY 4

Complete the sentences:

Any multiple of 10 will also be a multiple of ____.

Any multiple of 24 will also be a multiple of ____.

Any multiple of 35 will also be a multiple of ____.

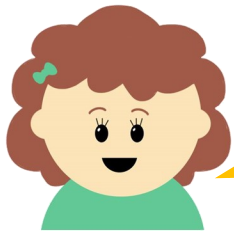




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REASONING 1

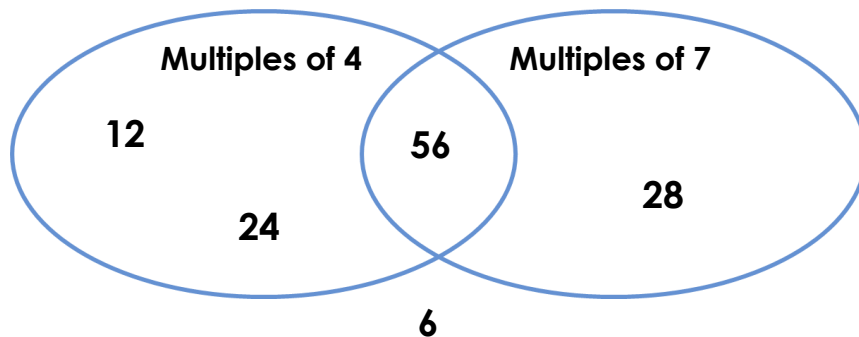
True or False?



Multiples of 3 will always be multiples of 9 too.

REASONING 2

One of the numbers in the Venn diagram is in the wrong place. Can you identify it and explain why?



REASONING 3

Always, Sometimes or Never?

Multiples of 8 always have an even number in the ones column.

Prove your answer with examples.

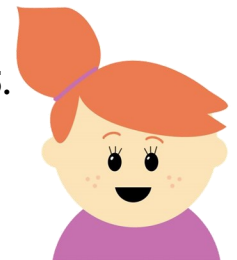
REASONING 4

Millie is thinking of a number.

Her number is a multiple of 13. It has 2 digits. The number is odd and is also a multiple of 5.

Asha says her number must be 75.

Is she correct?



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PROBLEM SOLVING 1

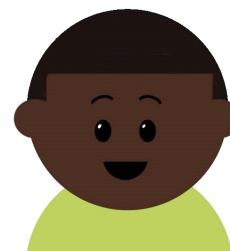


Asha and her family have moved house.
Their new house number is a multiple of seven.
It is 1 more than a multiple of 6.
It is less than 100.

What house number does Asha now live at?

PROBLEM SOLVING 2

Caleb is thinking of a number. He says:



My number is a multiple of 3. It is three less than a multiple of 4.

Find at least three different numbers which Caleb could be thinking of.

