Add/Sub/Mult/Div Practice Questions

$5^2 =$	$2^3 =$
$7^2 =$	$3^3 =$
$10^2 =$	$4^3 =$
$32^2 =$	$10^3 =$

Tick the square numbers

64   50   44   16

4   20   25   45

What are the factors of these numbers?

9

12

18

What are the common factors of these numbers?

8 and 20

12 and 30

20 and 40

Tick the common factors of 18 and 24

1   2   3   4   5   6   8   9   12

$150 \div 5 =$	$2800 \div 4 =$	$4200 \div 7 =$
$15 \div 5 =$	$280 \div 4 =$	$420 \div 7 =$
$1.5 \div 5 =$	$28 \div 4 =$	$42 \div 7 =$
	$2.8 \div 4 =$	$4.2 \div 7 =$

Multiples

Tick the multiple of 5 | 1   10   12 |

Tick the multiple of 4 | 20   25   30 |

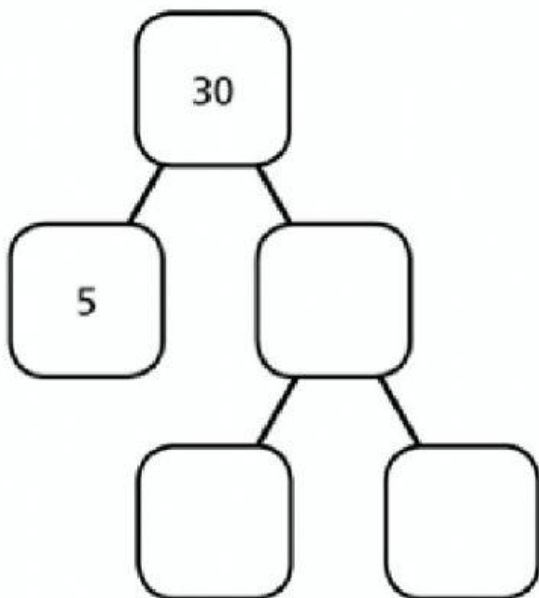**Tick the multiple of 7** | 17   35   44 |

What is the 3rd multiple of 6?
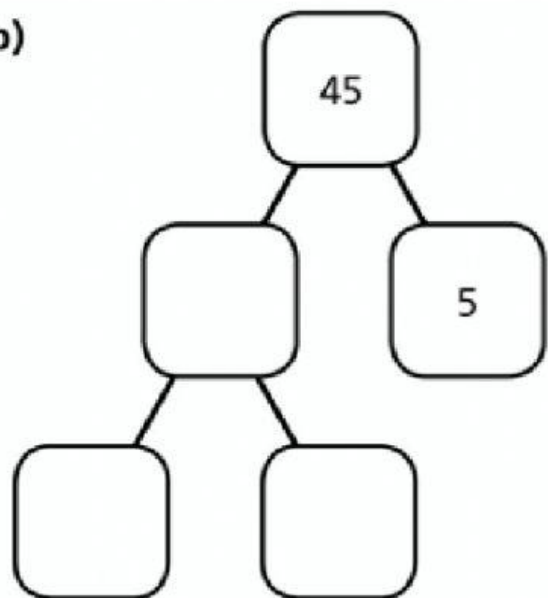What is the 5th multiple of 7?
What is the 10th multiple of 10?

Complete the prime factor trees

a)

30

5

b)

45

5

Order of operations (BEDMAS)

$3 \times 5 + 4 =$

$(7 \times 5) - 4 =$

$7 + 4 \times 3 =$

$3 \times (5 - 1) =$

$(8 + 3) \times 8 =$

$6 \times 6 + 4 =$

$10 + (6 \times 7) =$

$8 + 5 \times 3 =$

What is the missing number?

$2 \times 5 + 3 \times \underline{\hspace{1cm}} = 39$

$3 \times (2 + 3) \times \underline{\hspace{1cm}} = 60$

Tick the Prime numbers

5   9   13   15   17   23   21

I am thinking of a number…..

- It is an even number
- It is between 10 and 30
- It is a factor of 12 and 18

Is my number a prime number?

Explain your reasoning

John has 4 boxes, and each box has 8 footballs in it.
He then adds 3 more footballs to each box.

Which of these equations will show the total number of footballs?

$4 \times 8 + 3$ $(4 \times 8) + 3$ $4 \times (8 + 3)$

Complete the table by putting the labels in the correct place

A = Square number   C = Multiple of 4
B = Not a square number   D = Not a multiple of 4

	8, 12, 20, 32, 40	4, 16, 36
	5, 10, 15, 30	9, 25, 49

A = Square number   C = Multiple of 3
B = Not a square number   D = Not a multiple of 3

	9, 36, 81	4, 25, 49, 64
	6, 15, 18, 27, 30	2, 7, 11, 14, 16