## Section 1 - Inverse operations

Inverse means the opposite operation to reverse the its effect

We use inverse operations to:

- Check answers
- Solve missing number problems


Missing number at the beginning? Do the inverse and you're winning! $--20=30$
Missing number in the middle?
Do a subtraction, solve that riddle! $25+$ $\qquad$ $=35$
Missing number at the end? That's the way I like it, friend! $24+36=$ $\qquad$

Section 2 - Square and prime numbers
When you multiply a number by itself, the result is a square number. A square number can only end with the digits:
$0,1,4,6,9$ or 25.

## Square Numbers

When a number has been multiplied by itself, we say that the answer is a square number.
$1 \times 1=1 \quad 2 \times 2=4$


Prime Numbers

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

## 

 Prime numbers are special numbers that can only be divided by themselves and 1 .$37 \quad 17 \quad 5 \quad 17$
For example 41 is a prime number.
It It can only be divided by 1 and 41. 7

Section 3 - Factors and multiples
Factors - The factors of a number are the numbers that divide into it exactly. Factors are the numbers we multiply to make the product. Multiples- Multiples are the numbers that we get when we multiply a number by another number.

Examples:


Factors:
1, 2, 3, 6
$1 \times 6=$
$3 \times 2=$
$2 \times 3=$
$6 \times 1=$

## Factors of 6

0 (1) 2 3 45067891011121314151617181928


Multiples of 6

## Multiples:

(think times tables)
$6,12,18,24,30,36,42,48$,
54, 60, 66, 72

## Section 4 -Multiplication

## MULTIPLICATION



multiplied times tables



