



### 3. Metric Conversions

<p>Convert to metres: (1000mm = 1m; 100cm = 1m; 0.001km = 1m)</p> <ol style="list-style-type: none"> <li>200cm = ___m</li> <li>7000mm = ___m</li> <li>650cm = ___m</li> <li>0.004km = ___m</li> <li>40cm = ___m</li> </ol> <p>Convert to litres: (1000ml = 1l; 100cl = 1l)</p> <ol style="list-style-type: none"> <li>900cl = ___l</li> <li>10 000ml = ___l</li> <li>500ml = ___l</li> <li>25cl = ___l</li> </ol>	<p>Convert:</p> <ol style="list-style-type: none"> <li>4000g = ___kg</li> <li>8kg = ___g</li> <li>9m = ___cm</li> <li>1.2l = ___ml</li> <li>0.5m = ___cm</li> <li>800mm = ___m</li> <li>6.35kg = ___g</li> <li>2 000 000mm = ___km</li> <li>4260mm = ___m</li> </ol>	<ol style="list-style-type: none"> <li>0.7m + 30cm + 400mm = ___cm</li> <li>3l + 400ml + 70cl = ___l</li> <li>400g + 0.2kg + 350g = ___kg</li> <li>A farmer needs to build a 60m fence. Sections of fence are 80cm long. How many does the farmer need?</li> <li>A fruit salad for 5 people needs 400g of melon, 120g of mango, 0.3kg of banana and 0.45kg of grapes. How much will it weigh in kg if it was made for 15 people?</li> </ol>
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### 4. Prime Numbers

## Prime Numbers

A natural number greater than 1 with no divisors other than 1 and itself.

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

Remember these facts about Prime Numbers!

There are no even numbers except 2.

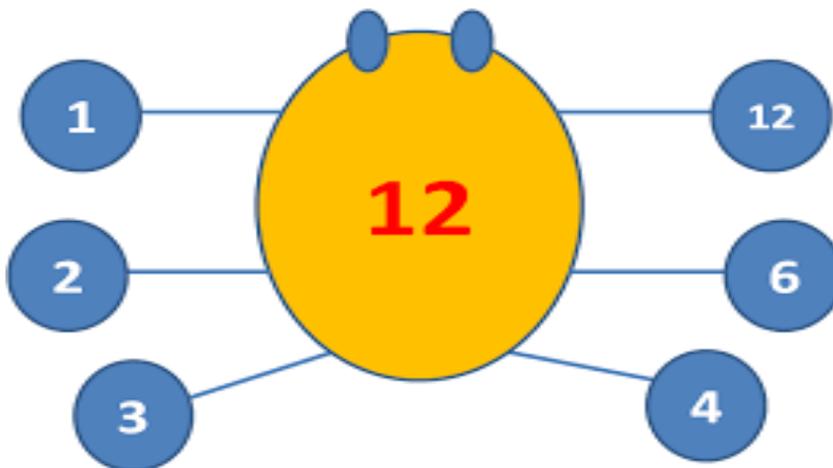
There are no prime numbers ending in 5, except 5.

The digits can't add up to 3 except 3 (digital root).

## 5. Square Numbers up to 12x12

x	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

## 6. Factor Pairs of numbers



## 7. Counting in powers of 10

**POWERS OF TEN**

Each place in a place value chart has a value that is 10 times bigger than the place value on the right

Exponential Form	Standard Form
$10^1$	10
$10^2$	100
$10^3$	1,000
$10^4$	10,000
$10^5$	100,000
$10^6$	1,000,000

h	t	o	th	hth	th
3	3	6			

$3.36 \times 10^2 = 336$

t	o	th	hth	th	th
	3	3	6		
		0	3	3	6

$3.36 \div 10^4 = .0336$