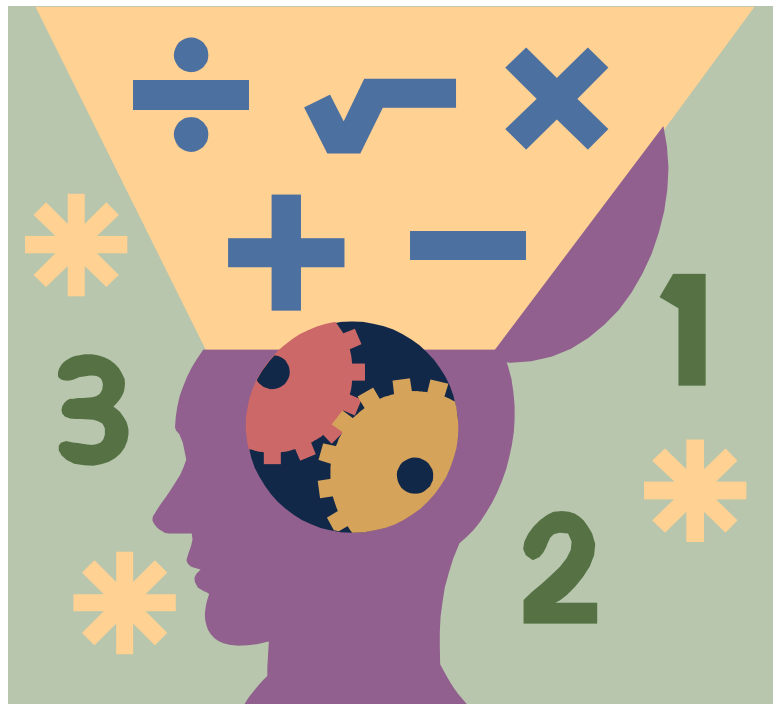

Maths...

The Facts



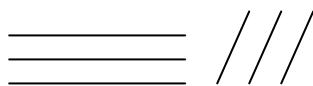
TOP 90

MATHS ... the Facts ...Top 90

1. 100 centimetres (cms) = 1 metre (m)

2. Square 


3. 1, 3, 5, 7, 9 = odd numbers

4. Parallel lines 

5. $50\% = \frac{1}{2} = 0.5$

6. Perimeter is the distance around the outside of a flat shape

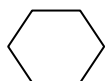
7. 0, 2, 4, 6, 8, = even numbers

8. Pentagon  5 sides

9. 1000 metres (m) = 1 kilometre (km)

10. Area = the space inside a flat shape

11. 10 millimetres (mm) = 1 centimetre (cm)

12. Hexagon  6 sides

13. 365 days = 1 year

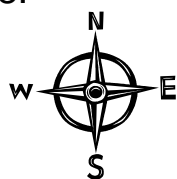
14. Cube 

15. $25\% = \frac{1}{4} = 0.25$

16. Cone 

17. $\frac{1}{10} = 0.1 = 1\%$

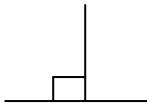
18.



19. 1, 4, 9, 16, 25 = square numbers

20. Rectangle 

21. $\frac{1}{2} = 0.5$

22. Perpendicular lines 

23. Congruent shapes are shapes, which are exactly the same shape and the same size.

24. 1000 grams (g) = 1 kilogram (kg)

25. Similar shapes are shapes which are the same shape but a different size.


26. 24 hours = 1 day

27. 1, 8, 27, 64, 125 cube numbers

28. Equilateral triangle  All sides and angles are equal

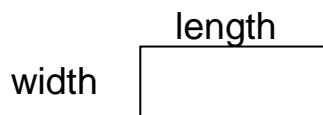
29. Volume = the amount of space inside a 3D (solid) shape

30. 10% = $\frac{1}{10}$

31. Trapezium 

32. 60 seconds = 1 minute

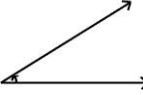
33. Area of a rectangle = length x width



34. Octagon  8 sides

35. 1000 millilitres (ml) = 1 litre (l)

36. Clockwise  Anticlockwise 


37. Acute angle (less than 90 degrees) 

38. Factors e.g. The factors of 12 are 1, 2, 3, 4, 6, and 12




39. Right angle (90 degrees)


40. Prime numbers are numbers which can only be divided by 1 and the number itself. The first prime numbers are 2, 3, 5, 7, 11, 13, and 17

41. Rhombus 

42. 60 minutes = 1 hour

43. Parallelogram 

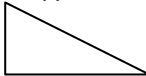
44. $75\% = \frac{3}{4} = 0.75$

45. Cylinder 

46. 1, 3, 6, 10, 15Triangular numbers

47. Area is measured in units like: cm^2 , m^2 , km^2

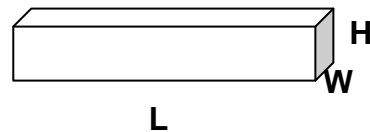
48. 1000 millilitres (ml) = 1litre (l)

49. Right-angled triangle 

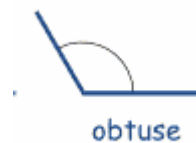
50. $1/100 = 0.01$

51. Cuboid 

52. Volume of a cuboid = $l \times w \times h$

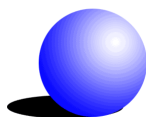


53. Pyramid 

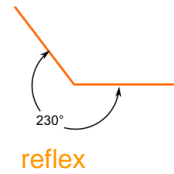


54. Obtuse angle (between 90° and 180°)

55. Sphere (3D)



56. Reflex angle (more than 180 degrees)



57. 52 weeks = 1 year

58. Volume is measured in units like cm^3 , m^3 , km^3

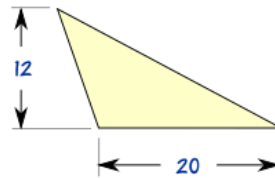
59. Tally marks are used when collecting data



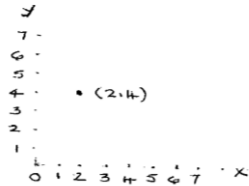
60. 1, 2, 4, 8, 16, 32doubling pattern or $\times 2$

61. Area of a triangle = (Base \times height) $\div 2$

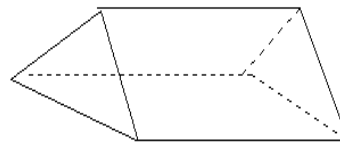
$$\begin{aligned} \text{Height} &= h = 12 \\ \text{Base} &= b = 20 \\ \text{Area} &= \frac{1}{2}bh = \frac{1}{2} \times 20 \times 12 = 120 \end{aligned}$$



62. Co-ordinates tell us where a point is on a grid, e.g. (2, 4)
x-axis first



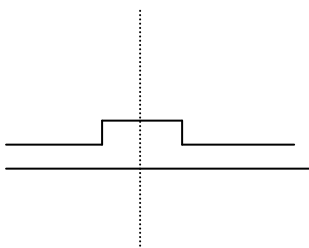
63. Triangular prism



64. $\frac{1}{4} = 0.25 = 25\%$

65. Mean: Add up the numbers and then divide by the amount of numbers

66. Line symmetry - Reflection



67. Median: Put the numbers in order and then choose the number in the middle.

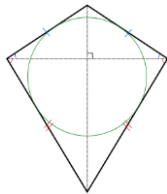
68. $\frac{3}{4} = 0.75 = 75\%$

69. Mode: The most popular/common/frequent number

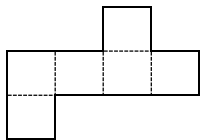
70. 128, 64, 32, 16, 8 ...Halving pattern, or $\div 2$

71. Multiples e.g. the multiples of 5 are 5, 10, 15, 20, 25, 30 ...

72. Kite



73. The net of a solid is the “opened out” solid, e.g. a net for a cube



74. $33.3\% = \frac{1}{3}$

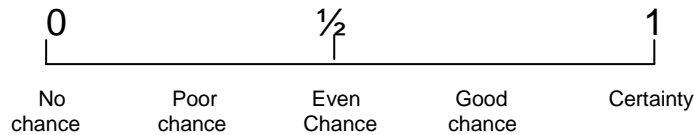
75. Place value

Thousands	Hundreds	Tens	Units (or ones)		tenths (/10)	hundredths (/100)
4	8	7	3	●	6	5

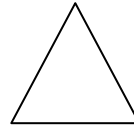
76. The outcomes from dice are 1, 2, 3, 4, 5, 6,



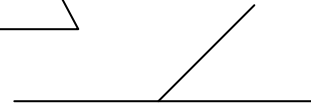
77. Probability Scale



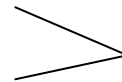
78. Angles: in a triangle add up to 180°



Angles on a straight line add up to 180°



Angles around a point add up to 360°



79. $\frac{1}{4}$ turn = quarter turn = 90 degrees

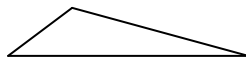
80. Isosceles triangle



2 sides the same
2 angles the same

81. $\frac{1}{2}$ turn = half turn = 180 degree turn

82. Scalene triangle (all 3 sides and angles are different)



83. % means "out of 100"

84. < means "less than" > means "more than"

85. Quadrilateral – this is the name for any 4-sided shape

86. + words: add, sum, total, plus

87. – words: take away, minus, subtract, find the difference

88. x words: times, multiply, find the product of

89. \div words: divide, share, how many go into

90. A regular shape has:
a) All the sides the same length
b) All the angles the same size