Big Maths Help Sheet
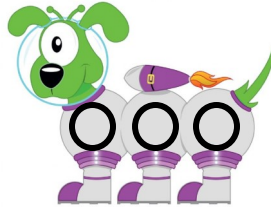
Big Maths Characters

Squiggleworth

How much are my squiggles worth?
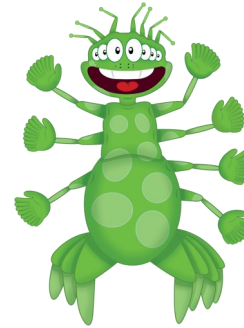
PIM = Principles of Irrelevant

maths

3 + 4 = 7

3 cm + 4cm = 7cm

3 tens + 4 tens = 7 tens

Where is Mully hiding?

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

Mully
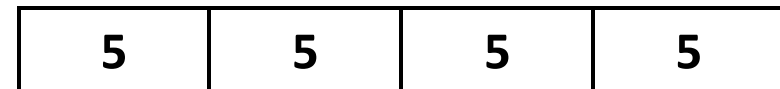
Is he behind a multiple of 10?

Jigsaw Numbers

16 • 4
15 • 5
14 • 6
13 • 7
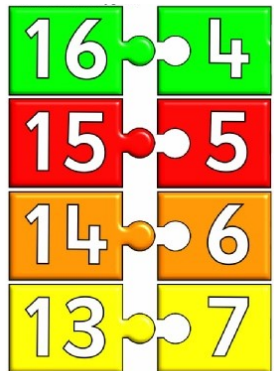
Two numbers that go together to make another number. Which number am I making here?

The Bar Model
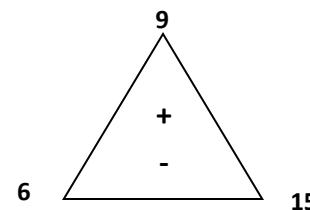
With fractions

5	5	5	5

The whole is 20. ¾ = 15

Tens and ones
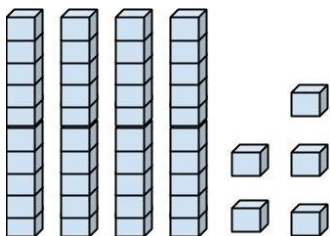
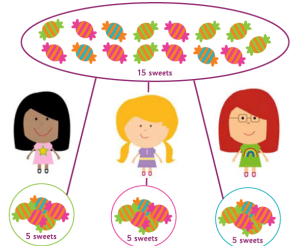What number have I made? How do you know?

Fact Family Triangles

9

+

-

6   15
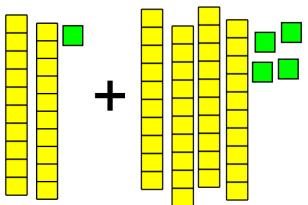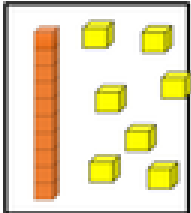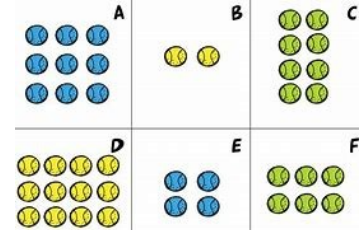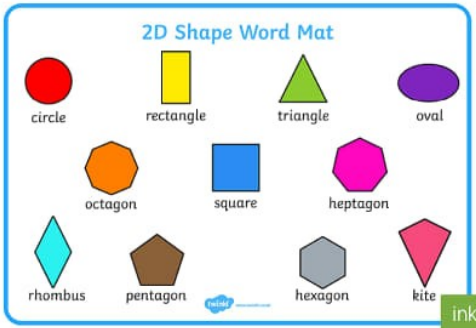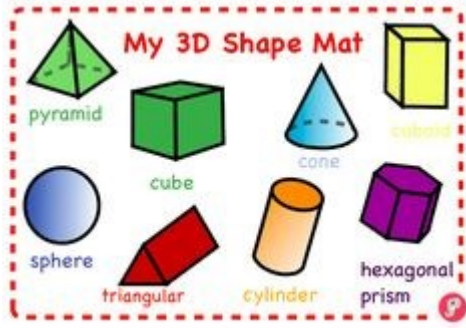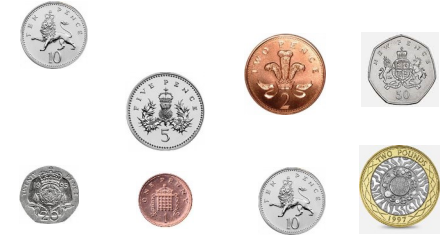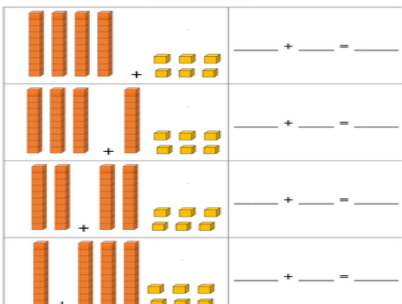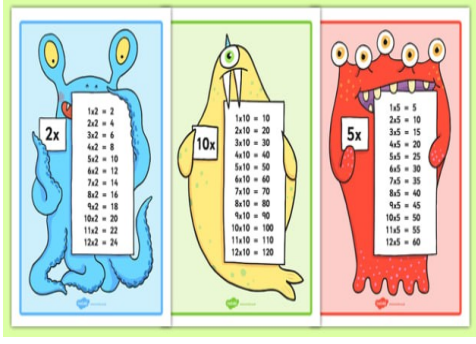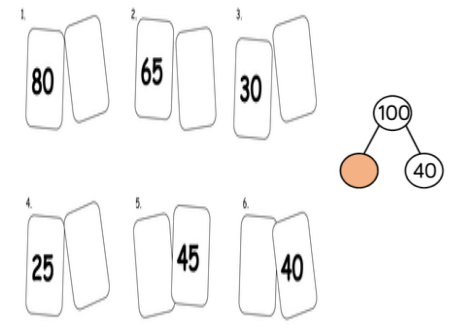
6 + 9 = 15

9 + 6 = 15

15 — 9 = 6

15 — 6 = 9

+	-	X	÷
How many tens and ones are there altogether?	We have 17. Take 3 away. How many left?	These are called arrays. They are lots of numbers in pictures.	I have 15 sweets. If I share them with 3 friends, how many each?

Time	2d shape	3d shape	Money
hour — long arm on the 12, 1 hour = 60 min; quarter past — long arm on the 3, 1 quarter of an hour = 15 min; half past — long arm on the 6, 1 half hour = 30 min; quarter to — long arm on the 9, three-quarters of an hour = 45 min	2D Shape Word Mat — circle, rectangle, triangle, oval, octagon, square, heptagon, rhombus, pentagon, hexagon, kite	My 3D Shape Mat — pyramid, cube, cone, cube, sphere, triangular, cylinder, hexagonal prism	Which 4 coins make 75p?

Partitioning	Times tables	Making 100	Exchange/re-grouping
46	2x 10x 5x	80 65 30 100 40 25 45 40	- 7 = swap