Diamond

7 Times Table Activities

1. Count in 7s and colour in the grid:

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	101	102	103	104	105	106	107	108
109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132
133	134	135	136	137	138	139	140	141	142	143	144

2. Work out these answers:

a) 2 x 7 = _____

b) 10 x 7 = _____

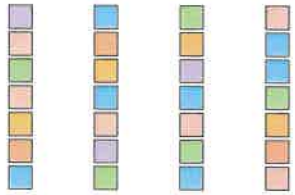
c) 5 x 7 = _____

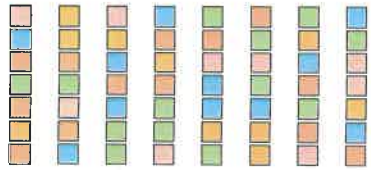
d) 7 x 7 = _____

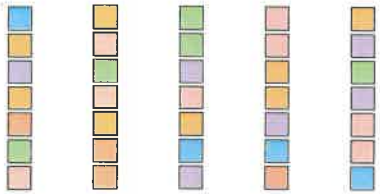
e) 12 x 7 = _____

f) 9 x 7 = _____

3. How many blocks are there?

a)  _____ x _____ = _____

b)  _____ x _____ = _____

c)  _____ x _____ = _____

Rubies

$7 \times 0 =$ _____

$7 \times 1 =$ _____

$7 \times 2 =$ _____

$7 \times 3 =$ _____

$7 \times 4 =$ _____

$7 \times 5 =$ _____

$7 \times 6 =$ _____

$7 \times 7 =$ _____

$7 \times 8 =$ _____

$7 \times 9 =$ _____

$7 \times 10 =$ _____

$7 \times 11 =$ _____

$7 \times 12 =$ _____

$7 \times \square = 0$

$7 \times \square = 7$

$7 \times \square = 14$

$7 \times \square = 21$

$7 \times \square = 28$

$7 \times \square = 35$

$7 \times \square = 42$

$7 \times \square = 49$

$7 \times \square = 56$

$7 \times \square = 63$

$7 \times \square = 70$

$7 \times \square = 77$

$7 \times \square = 84$

7 × 5 = _____	7 × 7 = _____	4 × 7 = _____
7 × 7 = _____	7 × 4 = _____	7 × 3 = _____
7 × 10 = _____	3 × 7 = _____	0 × 7 = _____
6 × 7 = _____	7 × 2 = _____	7 × 2 = _____
7 × 9 = _____	9 × 7 = _____	7 × 7 = _____
0 × 7 = _____	7 × 1 = _____	7 × 10 = _____
7 × 1 = _____	7 × 0 = _____	3 × 7 = _____
8 × 7 = _____	4 × 7 = _____	7 × 5 = _____
7 × 5 = _____	7 × 8 = _____	9 × 7 = _____
3 × 7 = _____	1 × 7 = _____	7 × 0 = _____
7 × 6 = _____	7× 5 = _____	2 × 7 = _____

Circle the products. Opal

63 35 0 7 18 84 49 4 12 72 22 21 56 70 28 16 36 17 42 48 14 77

Citrines and Emeralds

Identifying Prime Numbers 1 – 100

Establish whether a number up to 100 is prime and recall prime numbers up to 19. Use any method you wish to find all the prime numbers between 0 and 100 and then check your answers. Did you make any mistakes? Can you see where you went wrong?

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

Don't forget that not all odd numbers are prime numbers – use your times table knowledge to help you!

Remember that numbers can be divisible by larger numbers as well as numbers 0 - 12
e.g. 169 ÷ 13 = 13

Sapphires

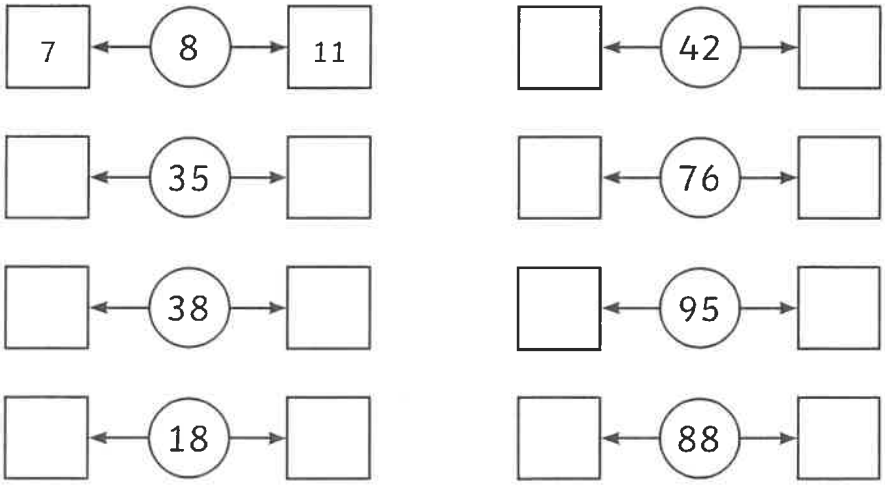
Prime Numbers Challenge

Shade all the prime numbers to 100.

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

Can you find the nearest prime number before and after each number below?

The first one is done for you.



Amethysts

Prime and Composite Numbers

Circle all the prime numbers below.

3	9	10	2	11	30	13	25	42	40	41
18	93	7	16	19	50	52	99	65	79	81

Circle all the composite numbers below.

2	5	6	9	15	33	100	91	56	12	98
14	19	45	60	88	13	34	90	22	31	3

List all factors of the given number:

18: _____

30: _____

50: _____

25: _____

10: _____

42: _____

36: _____

100: _____

12: _____