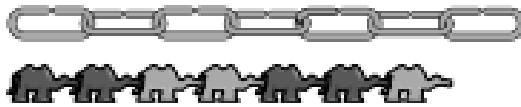


Your child will be dealing with multiplication and division by 7 over the coming days. Your child needs to know the language of multiplication and division, such as: multiply, multiplication symbol ( $\times$ ), multiple/multiples, double, near double, two for the price of one, buy one, get one free, bigger/greater than, smaller/less than, repeated addition, addition/multiplication sentence, division, division symbol ( $\div$ ), product, inverse, repeated pattern, subtraction, division sentence, list, grid.

### Make patterns of 7



For this activity, you will need counters/multi-links or anything that you have to hand. Ask your child to make a pattern using counters by joining 7 counters of the same colour together, followed by 7 counters of a different colour. Your child should repeat this pattern until s/he has 84 counters in a row.

### Detective work!

Ask your child to find items that come in sevens. S/he can research this on the internet (under supervision) if you wish, or draw/photograph items from the environment. **Examples:** the seven seas, the seven continents, seven days in a week, seven wonders of the ancient/modern world, Snow White and the Seven Dwarfs, seven reindeer until Rudolf came along!

### Calculator fun!

Ask your child to enter  $7 + = = = = =$  on a calculator to show counting in 7s (repeated addition). Alternatively, enter  $84 - 7 = = = = =$  to show counting back in 7s (repeated subtraction).

### 7 on the hundred square

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

hundred square

Make a hundred square as shown in the picture or ask your child to make one. You can use the same hundred square as used for multiplication and division by 2, 4 and 8 earlier. Ask your child to place a counter on the

number 7 and all the multiples of 7 up to 84 (you may like to go all the way to 98). Next, ask your child to say all the multiples from 7 to 84 (skip-counting), and from 84 back down to zero.

**Variation:** When your child has done this a number of times, ask him/her to skip-count up and down in 7s without the aid of the counters.

### Skipping fun!

Ask your child to skip seven times with a skipping rope.

Ask your child: *How many times did you skip?*

Do this 2/3/4/5/10 times. Ask your child: *How many times did you skip altogether?*

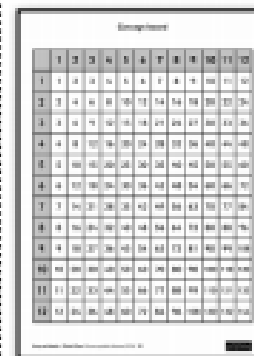
### Two for the price of one!

The commutative law can be described as buying two multiplication tables for the price of one, or buying one table and getting one free, e.g.  $7 \times 3 = 21$  and  $7 \times 3 = 21$ . Give your child 21 counters/cubes. Ask him/her to come up with as many ways of arranging the 21 counters into different sets as possible (3 sets of 7 and 7 sets of 3).

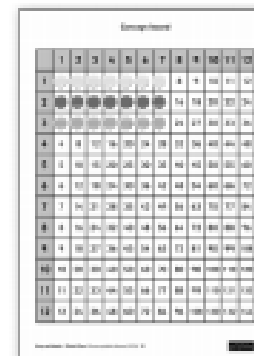
**Variation:** Ask your child to do this activity with 35/42/63/72 counters.

### Groups of 7 on the concept board

Make a concept board as shown below for your child. Ask your child to place different-coloured counters in sets/groups of 7 on the concept board.



PCM 39



PCM 39

Ask your child to count the sets using repeated addition.