Year 4: Week 6, Day 1 The 7 times table

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by reading through the Learning Reminders. They come from our *PowerPoint* slides.

 Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the **Investigation**...





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Learning Reminders



Learning Reminders

Begin to know multiplication and division facts for the 7 times table.													
What pattern do the	1	2	3	4	5	6	7	8	9	10			
on the 1-100 grid?	11	12	13	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27	28	29	30			
What happens when 7 is added to	31	32	33	34	35	36	37	38	39	40			
any number on the	41	42	43	44	45	46	47	48	49	50			
gria:	51	52	53	54	55	56	57	58	59	60			
The pattern for the 7 times	61	62	63	64	65	66	67	68	69	70			
tables isn't as helpful as for		72	73	74	75	76	77	78	79	80			
activities will help us		82	83	84	85	86	87	88	89	90			
remember them!	91	92	93	94	95	96	97	98	99	100			

Practice Sheet Mild 7 times table

Use this grid to complete the calculations using the 7 times table.

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144



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Practice Sheet Hot 7 times table

Write the multiples of 7 on this grid.

Use it to complete the calculations using the 7 times table.

1	2	3	4	5	6	8	9	10	11	12
2	4	6	8	10	12	16	18	20	22	24
3	6	9	12	15	18	24	27	30	33	36
4	8	12	16	20	24	32	36	40	44	48
5	10	15	20	25	30	40	45	50	55	60
6	12	18	24	30	36	48	54	60	66	72
8	16	24	32	40	48	64	72	80	88	96
9	18	27	36	45	54	72	81	90	99	108
10	20	30	40	50	60	80	90	100	110	120
11	22	33	44	55	66	88	99	110	121	132
12	24	36	48	60	72	96	108	120	132	144

Challenge

Shade the multiples of 7 on the right hand grid. Look at the pattern and describe it.

This grid has 8 columns. If the grid had 7 columns, what would the pattern be?

If the grid had 9 columns, what would the pattern be?

What if the grid had 6 columns?

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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

= 21

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Practice Sheet Answers

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7 times table (mild)

7 × 4 = 28	<mark>42</mark> ÷ 7 = 6
42 = 7 × <mark>6</mark>	7 × <mark>2</mark> = 14
<mark>3</mark> × 7 = 21	77 = 7 × 11
63 ÷ 7 = <mark>9</mark>	<mark>70</mark> ÷ 7 = 10
8 x 7 = <mark>56</mark>	7 x 7 = 49
7 ÷ <mark>1</mark> = 7	84 = <mark>12</mark> x 7

7 times table (hot)

7 × 4 = <mark>28</mark>	
42 = 7 × <mark>6</mark>	
<mark>56</mark> ÷ 7 = 8	Challenge
7 × 12 = <mark>84</mark>	Challenge
<mark>11</mark> x 7 = 77	The pattern moves back by 1 on each row.
7 x <mark>3</mark> = 21	If it had 7 columns it would be straight down.
9 = <mark>63</mark> ÷ 7	If it had 9 columns it would drop back by 2 on each row.
7 x 7 = 49	If it had 6 columns it would move forward by 1 on each
7 ÷ <mark>7</mark> = 1	row.

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

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A Bit Stuck? Sevens success

Things you will need: 1 to 12 cards



What to do:

Shuffle the set of 1 to 12 cards, then take one.

Count that number of 7s down the middle column of the table (on next page), e.g. If you have the number 4 card, count four 7s: 7, 14, 21, 28.

Complete the multiplication and division calculations - that one is done for you:

4 x 7 = 28, 28 ÷ 7 = 4

Keep going until you have completed the table!

Turn the table over, shuffle the cards again, then take one. Multiply the number on it by 7. Can you remember the answer? If not, count on in 7s, then check you answer by looking at the table.

Repeat until you have used all the cards.

Do you know a more facts for the 7 times table now, than you did before this activity?

A Bit Stuck? Sevens success

□ x 7 =	7	÷7=□
□ x 7 =	14	÷7=□
□ x 7 =	21	÷7=□
4 x 7 =	28	÷7=4
□ x 7 =	35	÷7=□
□ x 7 =	42	÷ 7 = 🗆
□ x 7 =	49	÷ 7 = 🗆
□ x 7 =	56	÷ 7 = 🗆
□ x 7 =	63	÷ 7 = 🗆
□ x 7 =	70	÷ 7 = 🗆
□ x 7 =	77	÷7=□
□ x 7 =	84	÷ 7 = 🗆





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