

8.1 Count from any number in steps of 6

Eg: $23 + 6 = 29$ Use the 100 square overleaf to help when adding 6. Look carefully at the units column. Can you spot any patterns?
 $47 + 6 = 53$
 $56 - 6 = 62$
 $79 - 6 = 85$



Eg

$$48 + 6 = 54$$

$$68 + 6 = 74$$

$$98 + 6 = 104$$

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

8.2 Count from any number in steps of 7

Eg:

$$24 + 7 = 31$$

$$63 + 7 = 70$$

Tens	Units

58, 65, 72, 79 ...

Use a pack of playing cards (with the 10's and picture cards removed). Place one card in the tens column and another in the units. Now start counting on in steps of 7. How far can you get in 30 seconds?

8.3 Count from any number in steps of 9

Eg:

$$89 + 9 = 98$$

$$13 + 9 = 22$$

$$75 + 9 = 84$$

Top Tip : Add 10 then take one away!

Make it fun!

Play Ping Pong

Start off saying 'ping.'

Child replies 'pong.'



Then serve with a number and the child has to 'return with the number which is 9 more. Continue until somebody pauses or makes a mistake.

8.4 Count from zero in steps of 25

Eg 0, 25, 50, 75, 100, 125 ...

Make it real!

if you swim 7 lengths of Tadcaster swimming pool, how far have you swam.

175 metres!

Extra challenge: Once you have spotted the pattern and feel confident, try counting up in 250s or 2.5s



Saturn

Colour the star when you think you have the skill. Remember, you should aim to answer each question in 3 seconds (try to answer 10 or more in 30 seconds). Your teacher will let you know the next time there's an assessment.

8.5 Count from zero in steps of 100

Eg 0, 1000, 2000, 3000, 4000 ...

Make it Real!

Relate the skills to measurement:

How many metres are there in 7 Km?
(Remember 1000m = 1Km)

How many litres is 6000ml?
(Remember 1000ml = 1litre)



8.6 and 8.7 Know by heart all multiplication and division facts for 11 up to 11 X 12

multiplication facts

$$8 \times 11 = 88$$

$$88 \div 11 = 88$$

$$88 \div 8 = 11$$

$$11 \times 8 = 88$$



division facts



8.8 Know by heart all multiplication facts for 12, up to 12X12

Try starting by rolling one dice and multiplying the number by 12. When you're confident, move onto two die.

Tens	Units
	0

720

Extra challenge: try using the maths mat to multiply $90 \times 12 =$ etc. It will help your place value knowledge!

8.9 Know by heart all division facts for 12, up to 12 x 12

Pick a domino, add the number of dots together, then multiply by the 12 and say the related division fact. How many dominoes can you do in one minute?

$$8 \times 12 = 96 \text{ so}$$

$$96 \div 12 = 8$$



There are lots of CDs available with musical tables. Alternatively, a quick search on the internet. Great fun to sing along to on long car journeys!

