



MATHEMATICS



N.S. Yr. 1 P.6

**Describe and extend number sequences.
Count on and back.**

Equipment

Paper, pencil, ruler .
Number line.

MathSphere

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Concepts

Once children have become used to counting up and down in single digits the next stage is to be able to do the same in steps of two, 3 or 5.

Number lines are particularly useful for this. The child can use arrows or 'hops' to show the path taken whilst progressing in twos along a line. Encourage counting out loud and saying the numbers that are landed on.

Make sure, when counting on, that the child does not include the number they are starting on; e.g. 'count on three from five' is six, seven, **eight**, not five, six, seven.

In the playground a number track can be marked out and children can leap along and back in ones, twos, threes etc.

Once again, in year one keep to small numbers, gradually increasing up to 30.

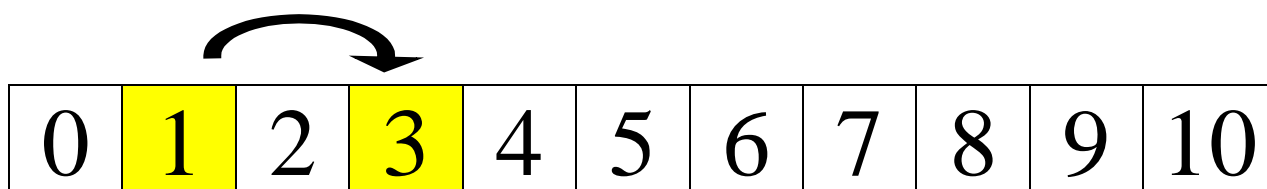


Mark hops of two along the number lines. The first one has been done for you! Lucky!

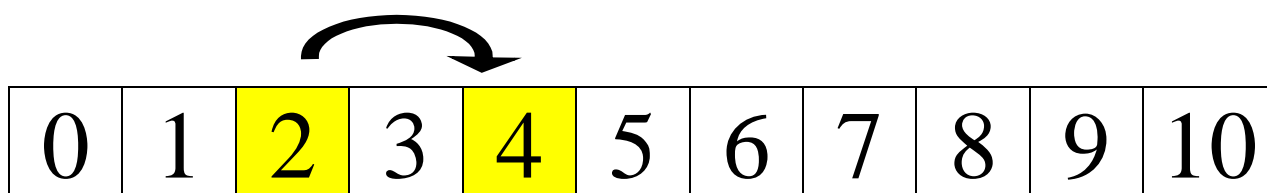
Start at 0

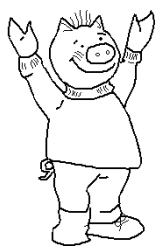


Start at 1



Start at 2





Now try **counting back**
in twos by marking the
hops.

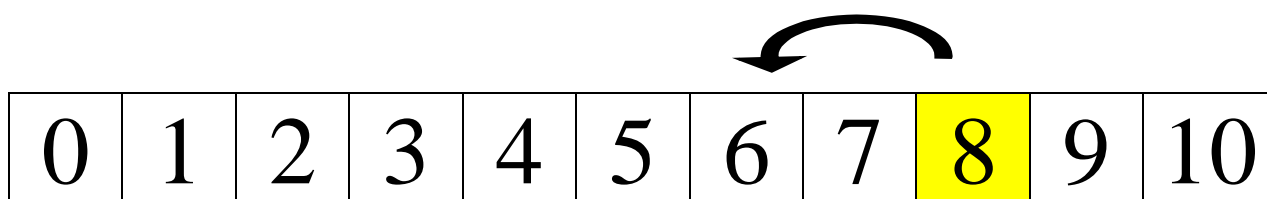
Start at 10 and count back



Start at 9 and count back



Start at 8 and count back



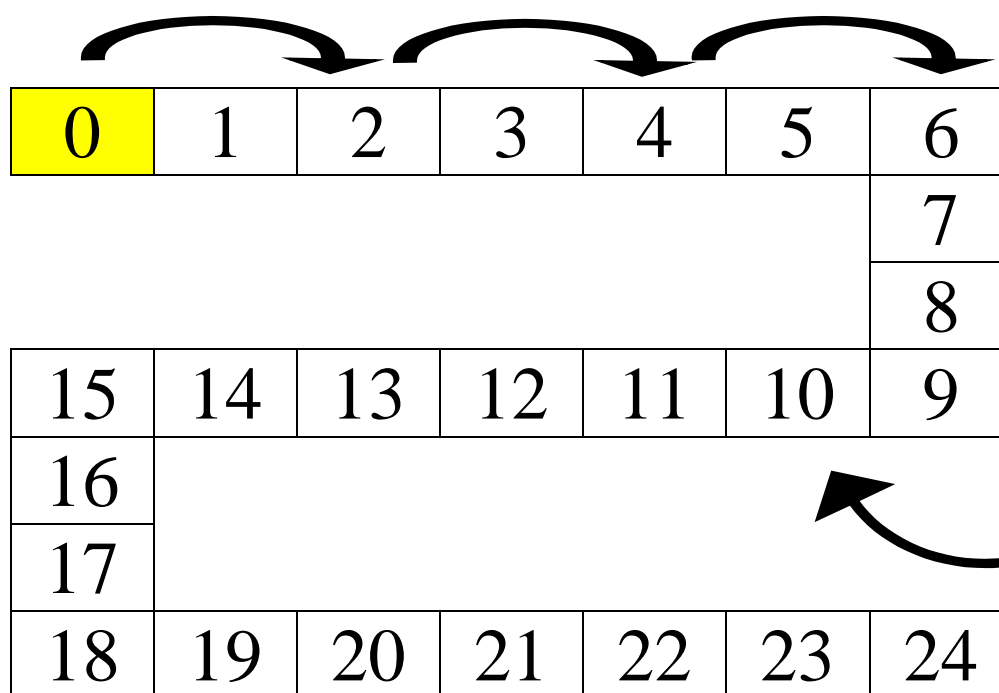
Counting in twos

Start at 0.

Hop along two.

Colour the number you
land on.

Carry on.



Counting in twos

Start at 1.

Hop along two.

Colour the number you
land on.

Carry on.

0	1	2	3	4	5	6		
							7	
							8	
15	14	13	12	11	10	9		
16								
17								
18	19	20	21	22	23	24		

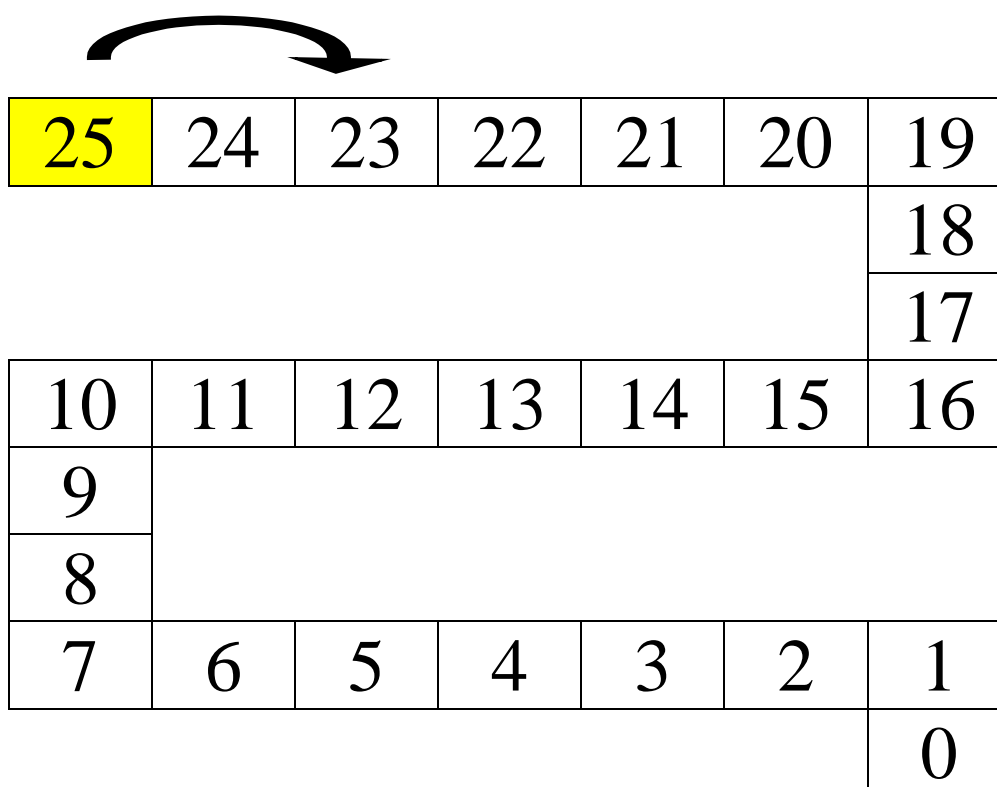
Counting in twos

Start at 25.

Count down two.

Colour the number you
land on.

Carry on.



Counting in twos

Start at 24.

Count down two.

Colour the number you
land on.

Carry on.



25	24	23	22	21	20	19
						18
						17
10	11	12	13	14	15	16
9						
8						
7	6	5	4	3	2	1
						0

Counting in twos

Start at 0. **Hop along three.**
Colour the number you land
on. Carry on.

0	1	2	3	4	5	6
						7
						8
						9
						10
17	16	15	14	13	12	11
18						
19						
20						
21						
22						
23	24	25	26	27	28	29

Counting in twos



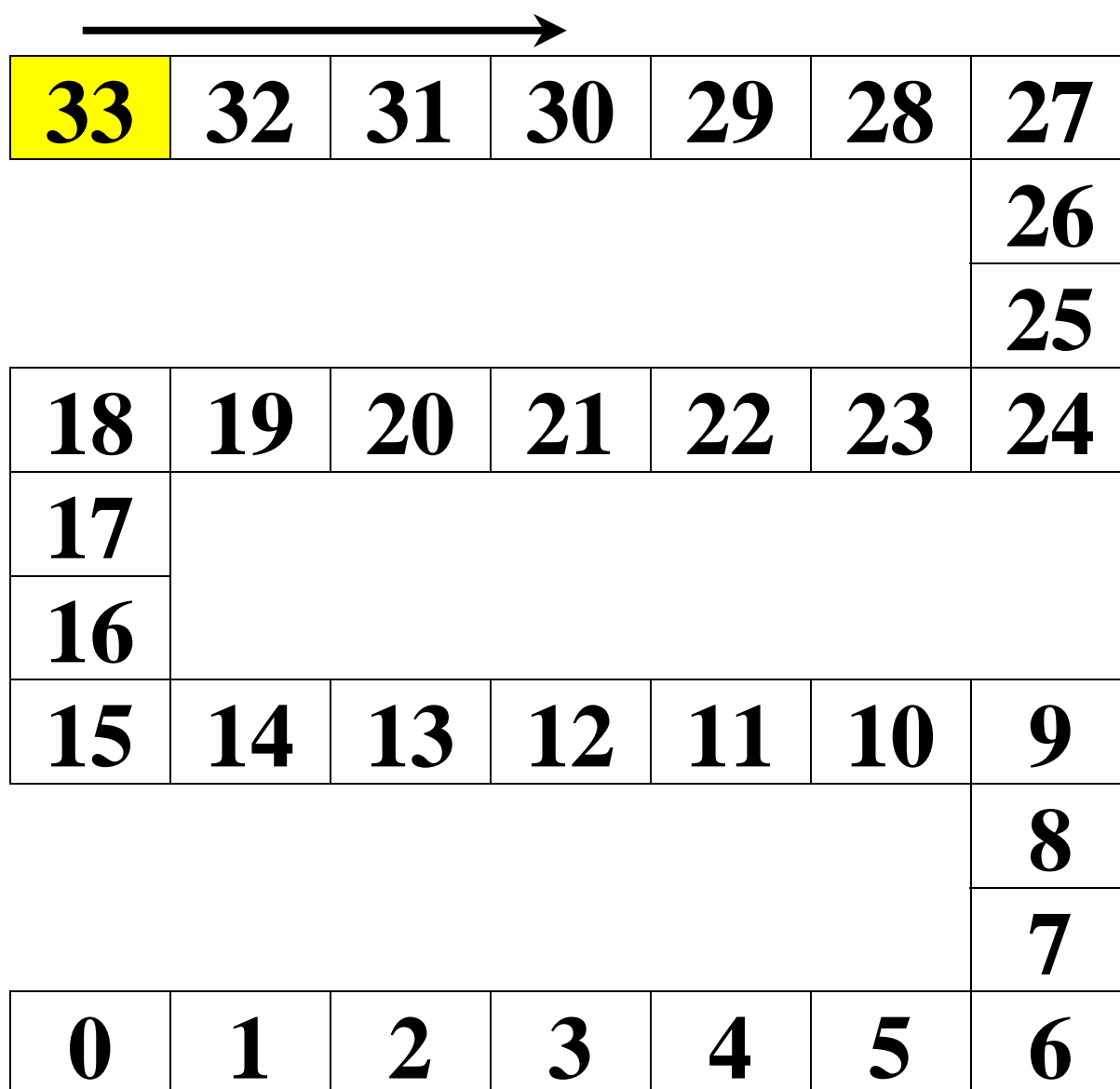
Start at 1. **Hop along three.**
 Colour the number you land
 on. Carry on.

0	1	2	3	4	5	6
						7
						8
						9
						10
17	16	15	14	13	12	11
18						
19						
20						
21						
22						
23	24	25	26	27	28	29



Let's try **counting down in threes!**

Start at 33 and move 3 spaces.
 Colour the space you land on.
 Carry on.





Try **counting down in threes!**
 Start at 32 and move 3 spaces.
 Colour the space you land on.
 Carry on.



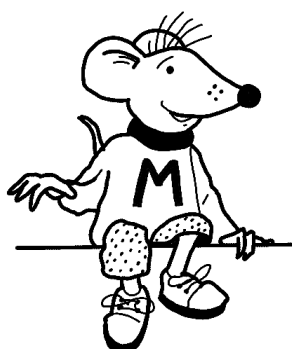
33	32	31	30	29	28	27
						26
						25
18	19	20	21	22	23	24
17						
16						
15	14	13	12	11	10	9
						8
						7
0	1	2	3	4	5	6



Now try **counting in fives**! Start at 0 and move 5 spaces.
 Colour the space you land on.
 Carry on.



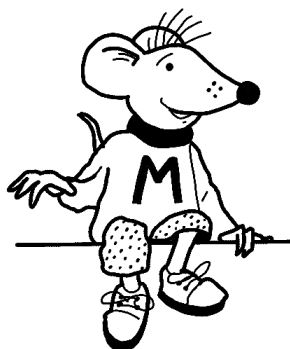
0	1	2	3	4	5	6
						7
						8
15	14	13	12	11	10	9
16						
17						
18	19	20	21	22	23	24
						25
						26
33	32	31	30	29	28	27



Let's try **counting in fives**! Start at 1 and move 5 spaces.
Colour the space you land on.
Carry on.



0	1	2	3	4	5	6
						7
						8
15	14	13	12	11	10	9
16						
17						
18	19	20	21	22	23	24
						25
						26
33	32	31	30	29	28	27



Let's try **counting down in fives!**
 Start at 33 and move 5 spaces.
 Colour the space you land on.
 Carry on.



33	32	31	30	29	28	27
						26
						25
18	19	20	21	22	23	24
17						
16						
15	14	13	12	11	10	9
						8
						7
0	1	2	3	4	5	6



Try counting down in fives! Start at 32 and move 5 spaces. Colour the space you land on. Carry on.



33	32	31	30	29	28	27
						26
						25
18	19	20	21	22	23	24
17						
16						
15	14	13	12	11	10	9
						8
						7
0	1	2	3	4	5	6

Counting on

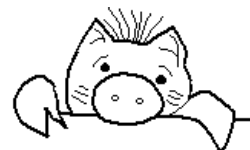


Use the number square to count on and back in threes.

Try starting from different numbers.

0	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

What number comes next?



0	1	2	3	4	5	6	7	8	9	10
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1. 2 4 6

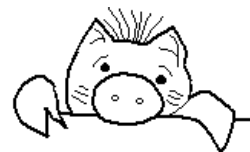
2. 3 5 7

3. 4 6 8

4. 7 5 3

5. 8 6 4

What number comes next?



0	1	2	3	4	5	6	7	8	9	10
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1. 1 3 5

2. 0 2 4

3. 9 7 5

4. 6 4 2

5. 10 8 6

What number comes next?



0	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

1. 3 6 9

2. 5 8 11

3. 5 10 15

4. 25 20 15

5. 18 15 12

What number comes next?



0	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

1. 4 7 10

2. 7 10 13

3. 15 20 25

4. 35 30 25

5. 22 19 16