

Odd and even numbers

Odd numbers always end in: 1 3 5 7 9

Even numbers always end in: 0 2 4 6 8

13	21	16	20
★★★★★ ★★★★★ ★	★★★★★★★★★★ ★★★★★★★★★★ ★	★★★★★★★★★★ ★★★★★★★★★★	★★★★★★★★★★ ★★★★★★★★★★

Even numbers can be put into 2 equal groups.
Odd numbers always have 1 left over.

1 Write odd or even for each number.
Look at the units digit to help.

a) 24

b) 15

c) 30

d) 29

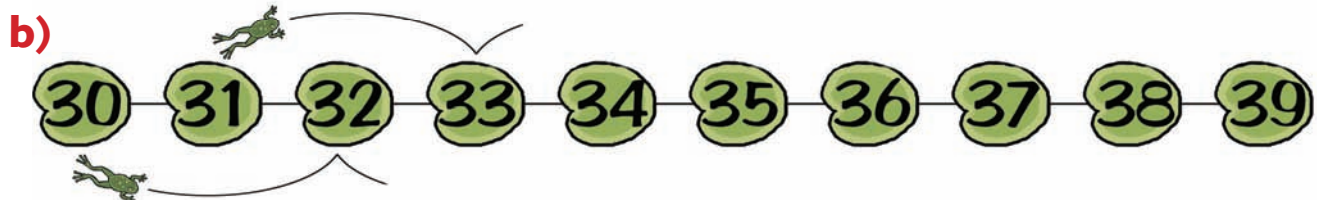
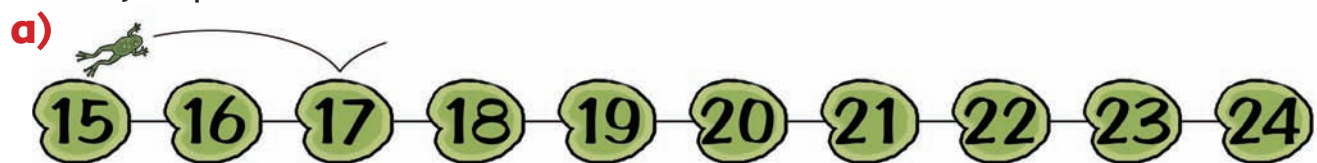
e) 17

f) 42

g) 21

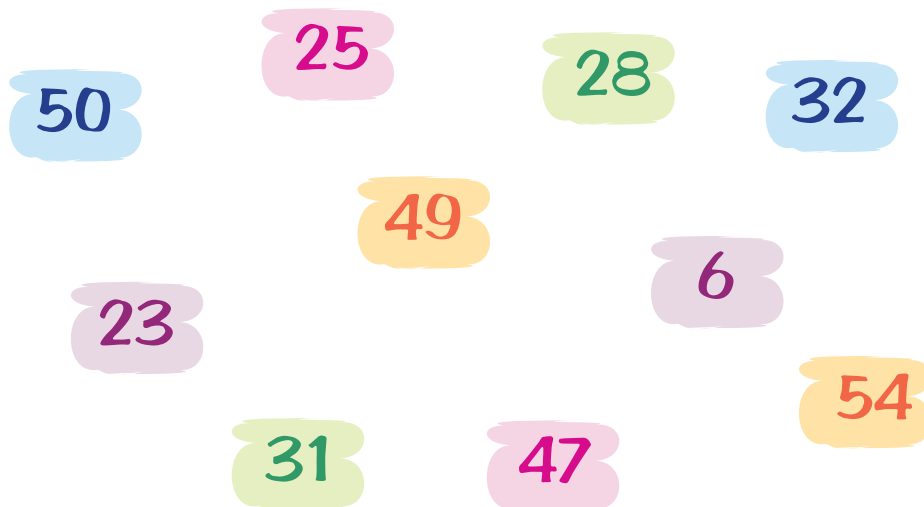
h) 16

2 Draw jumps above the lines to show odd numbers.
Draw jumps below the lines to show even numbers.

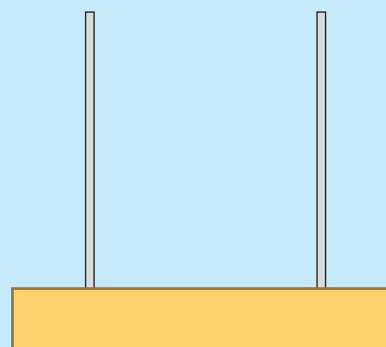
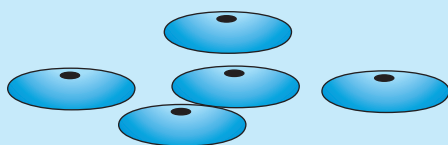


- 3 Sort these numbers into 2 groups. Write a list of all the odd numbers and all the even numbers.

Odd	Even



Try this



Draw an abacus.

Draw 5 beads on the abacus and write the number you have made. Is the number odd or even?

Make a list of the odd numbers you can make on an abacus using 5 beads.

Make a list of the even numbers you can make on an abacus using 5 beads.

Patterns on grids

Look for patterns in number grids.

Count in 2s to find the red numbers.
Count in 5s to find the bold numbers.

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

1 Continue the patterns on this 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

- a) Count in 2s and shade each number.
- b) Count in 4s and circle each number.
- c) Count in 5s and cross each number.

2 Draw these patterns on a 100 square.

- Colour blue → the numbers 5, 10, 15 and continue colouring each number as you count in 5s.
- Cross X → 10, 20, 30 and continue crossing the numbers as you count in 10s.

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

What do you notice about these patterns?

Try this

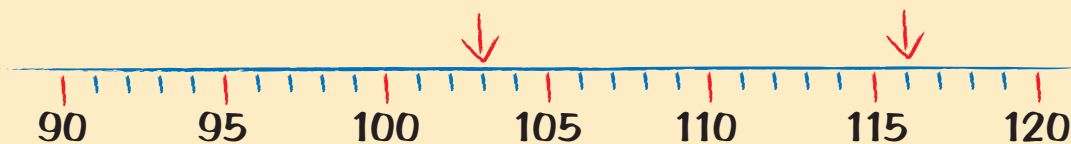
Complete this 100-square.

Count in 2s, 3s, 4s, 5s and 10s and look at the patterns on the grid.

	99				95				
									90
							73		
			64	65	66	67			
		43							50
40									31
21				25					
20			17	16				12	11
1	2	3							10

Number patterns

Look at the numbers on this number line. You can count in steps of 5.



Which numbers are the arrows pointing to?

103 and 116

1 Write the missing numbers on each number line.



2 Write the next two numbers in each sequence.

- a)

100	110	120		
-----	-----	-----	--	--
- b)

454	456	458		
-----	-----	-----	--	--
- c)

560	570	580		
-----	-----	-----	--	--
- d)

125	130	135		
-----	-----	-----	--	--
- e)

193	195	197		
-----	-----	-----	--	--
- f)

370	375	380		
-----	-----	-----	--	--

3 Write the next three numbers in each sequence.

- a)

160	170	180			
-----	-----	-----	--	--	--
- b)

195	197	199			
-----	-----	-----	--	--	--
- c)

234	236	238			
-----	-----	-----	--	--	--
- d)

410	420	430			
-----	-----	-----	--	--	--
- e)

345	350	355			
-----	-----	-----	--	--	--
- f)

620	622	624			
-----	-----	-----	--	--	--

Try this

Count back in steps and write the next two numbers.

- a) 138 136 134 132

--	--
- b) 140 130 120 110

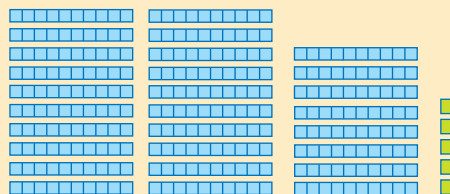
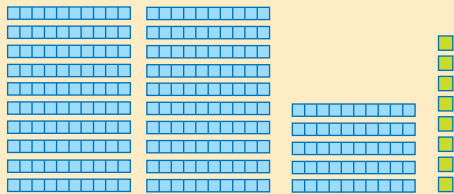
--	--
- c) 200 195 190 185

--	--

Comparing numbers to 999

Which is the greater number, 258 or 285?

When you need to compare numbers, look carefully at the **digits**.

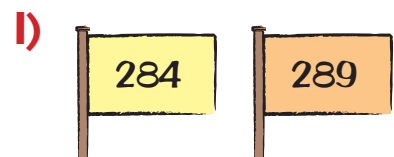
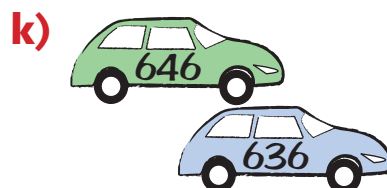
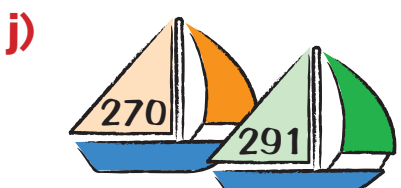
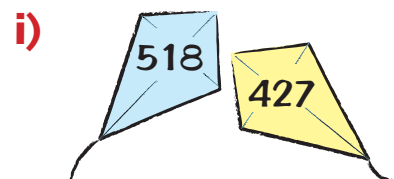
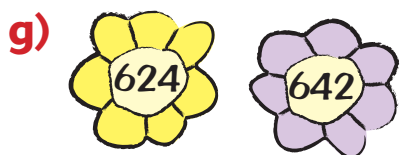
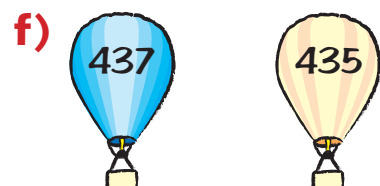
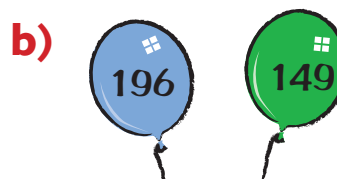
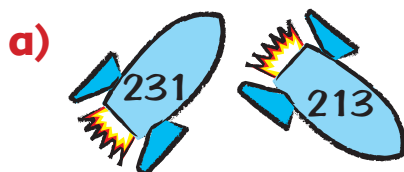


• 258 is $200 + 50 + 8$

• 285 is $200 + 80 + 5$

- Compare the hundreds, then the tens and then the units.
- 80 is greater than 50, so 285 is greater than 258.

1 Write the smaller number in each pair.



2 Write the greatest number in each set.

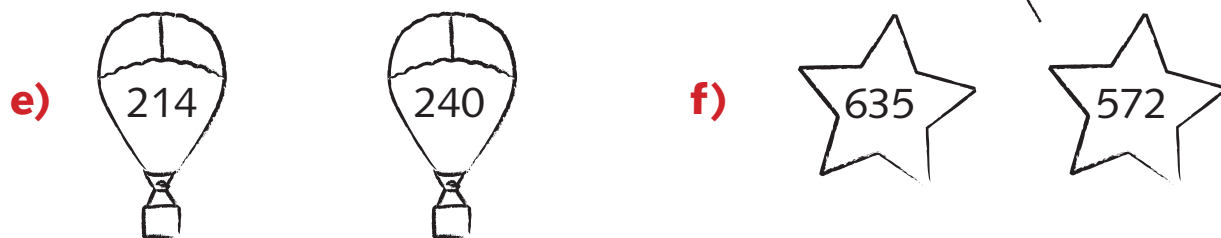
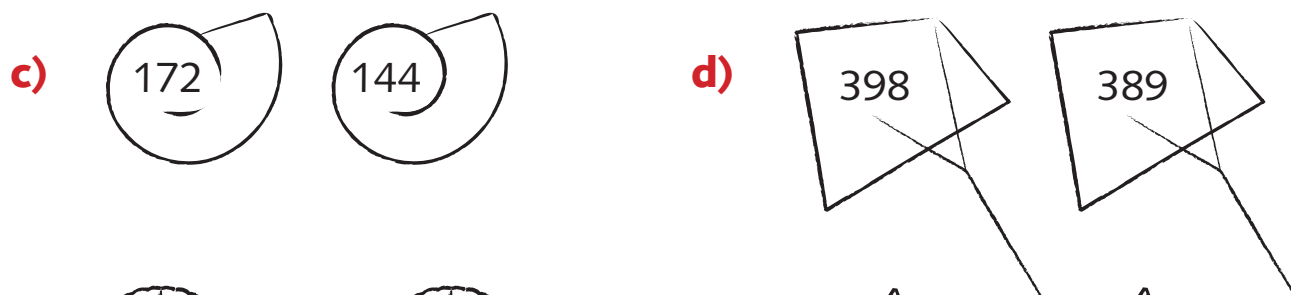
a) 291 295 259 **b)** 138 118 148

c) 255 162 226 **d)** 413 431 416

e) 227 224 229 **f)** 784 679 780

g) 326 363 332 **h)** 527 570 572

3 Colour the largest number in each pair.







Ordering numbers to 999


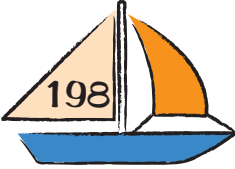


To put 3-digit numbers in order, look at the **hundreds** digit first.
If any of the hundreds are the same then compare the **tens** digits.
If any tens are the same then compare the **units** digits.





These numbers are in order, starting with the smallest.





Smallest: 427
429
538
Greatest: 584





1 Write these numbers in order. Start with the smallest.


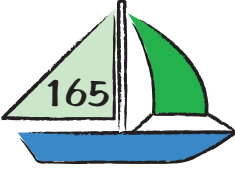


a)    

b)    

c)    

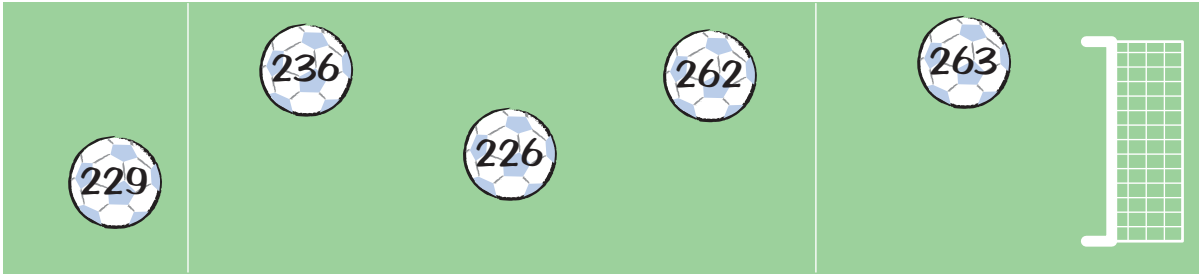
d)    

e)    

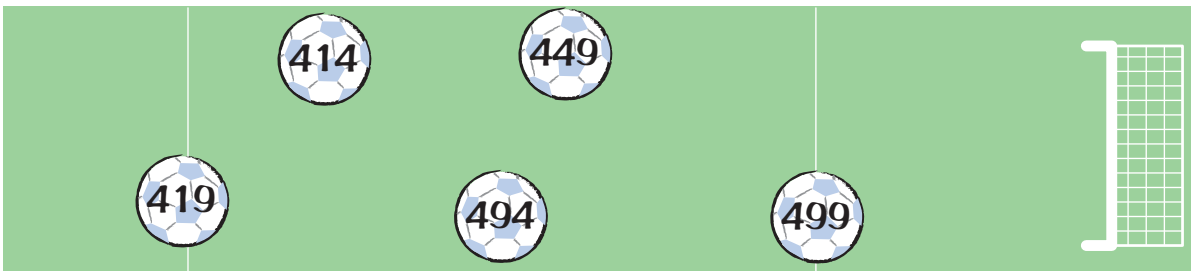
f)    

2 Join these numbers in order. Start with the smallest.

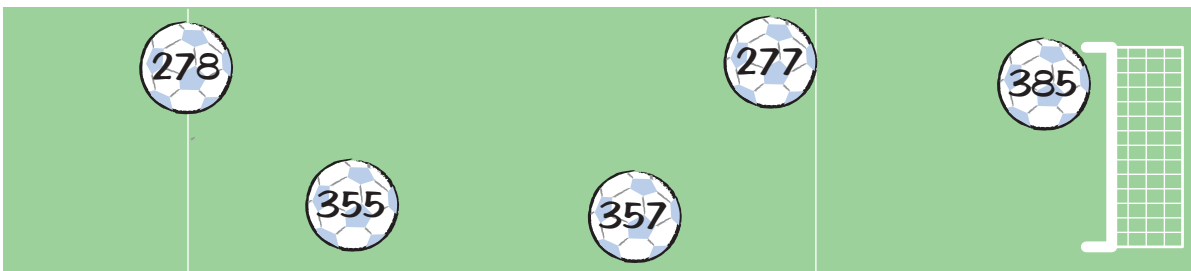
a)




b)



c)



d)



Assessment

Put these numbers in order, starting with the smallest.
What are the next five numbers in each sequence?

a) 143 139 141 137 145 147

b) 650 635 645 630 640 655

c) 480 510 530 490 500 520