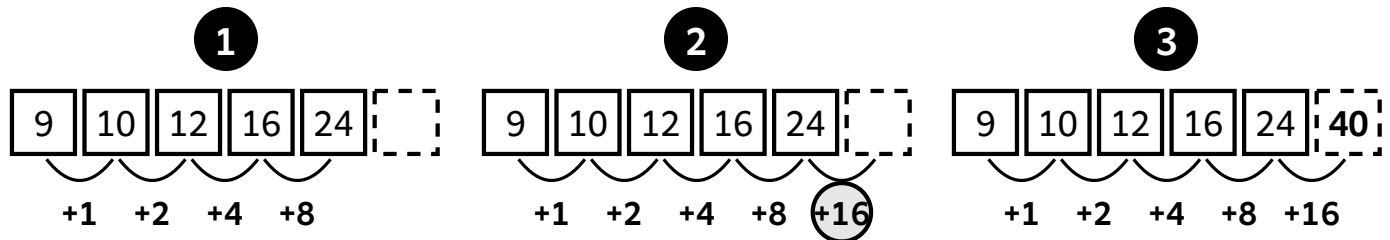




Learn a new puzzle

Number Series

Find the rule. Write the missing number.

Trick: Jumps of the jumps

Write the jumps: +1, +2, +4, +8. They don't stay the same.

Each jump is double the one before. So the next jump is +16.

$24 + 16 = 40$. Write 40 in the box.

Try it

a	1	34	3	39	9	44		49
b	17	20	29	56	137			

The answer is with the other answers.

Talk about it: Ask: When the jumps don't stay the same, what are the jumps doing?



① **Number Series** Find the rule. Write the missing number.



a

17	26	37	50	65	
----	----	----	----	----	--

b

2	2	2		2	2
---	---	---	--	---	---

② **Number Series** Find the rule. Write the missing number.



a

3	9		45	93	189
---	---	--	----	----	-----

b

4	9	16	25	36	
---	---	----	----	----	--

③ **Number Series** Find the rule. Write the missing number.



a

3	5		17	33	65
---	---	--	----	----	----

b

9	16	25	36	49	
---	----	----	----	----	--

④ **Number Series** Find the rule. Write the missing number.



a

1	3	7		31	63
---	---	---	--	----	----

b

1	8	27	64	125	
---	---	----	----	-----	--

**5 Number Series** Find the rule. Write the missing number.

a 18 20 24 32 48

b 2 6 6 10 18 14 54

6 Number Series Find the rule. Write the missing number.

a 4 7 13 25 49

b 4 34 12 39 36 44 49

7 Number Series Find the rule. Write the missing number.

a 7 9 13 21 37

b 2 27 4 32 8 37 42

8 Number Series Find the rule. Write the missing number.

a 3 8 11 19 30 79

b 16 18 23 33 50 76



9

Number Series Find the rule. Write the missing number.



a

19	20	23	29	39	54	
----	----	----	----	----	----	--

b

4	6	10	16	26	42	
---	---	----	----	----	----	--

10

Number Series Find the rule. Write the missing number.



a

8	6	3	-1	-6	
---	---	---	----	----	--

b

8	12	18	27	40.5	
---	----	----	----	------	--



Answers

 For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · Number Series

a

1	34	3	39	9	44	27	49
---	----	---	----	---	----	----	----

b

17	20	29	56	137	380
----	----	----	----	-----	-----

#1

17	26	37	50	65	82
----	----	----	----	----	----

2	2	2	2	2	2
---	---	---	---	---	---

a: 82 (square numbers, plus 1). b: 2 (times 2, then take away 2).

#2

3	9	21	45	93	189
---	---	----	----	----	-----

4	9	16	25	36	49
---	---	----	----	----	----

a: 21 (times 2, then add 3). b: 49 (square numbers).

#3

3	5	9	17	33	65
---	---	---	----	----	----

9	16	25	36	49	64
---	----	----	----	----	----

a: 9 (times 2, then take away 1). b: 64 (square numbers).

#4

1	3	7	15	31	63
---	---	---	----	----	----

1	8	27	64	125	216
---	---	----	----	-----	-----

a: 15 (times 2, then add 1). b: 216 (cube numbers).

#5

18	20	24	32	48	80
----	----	----	----	----	----

2	6	6	10	18	14	54	18
---	---	---	----	----	----	----	----

a: 80 (the jumps are times 2 each time). b: 18 (two series take turns: one times 3, one adds 4).

#6

4	7	13	25	49	97
---	---	----	----	----	----

4	34	12	39	36	44	108	49
---	----	----	----	----	----	-----	----

a: 97 (the jumps are times 2 each time). b: 108 (two series take turns: one times 3, one adds 5).

#7

7	9	13	21	37	69
---	---	----	----	----	----

2	27	4	32	8	37	16	42
---	----	---	----	---	----	----	----

a: 69 (the jumps are times 2 each time). b: 16 (two series take turns: one times 2, one adds 5).

#8

3	8	11	19	30	49	79
---	---	----	----	----	----	----

16	18	23	33	50	76	113
----	----	----	----	----	----	-----

a: 49 (add the two numbers before). b: 113 (the jumps grow, and the growth grows too).

#9

19	20	23	29	39	54	75
----	----	----	----	----	----	----

4	6	10	16	26	42	68
---	---	----	----	----	----	----

a: 75 (the jumps grow, and the growth grows too). b: 68 (add the two numbers before).

#10

8	6	3	-1	-6	-12
---	---	---	----	----	-----

8	12	18	27	40.5	60.75
---	----	----	----	------	-------

a: -12 (take away 2, 3, 4 ... (one more each time)). b: 60.75 (times 1.5 each time).