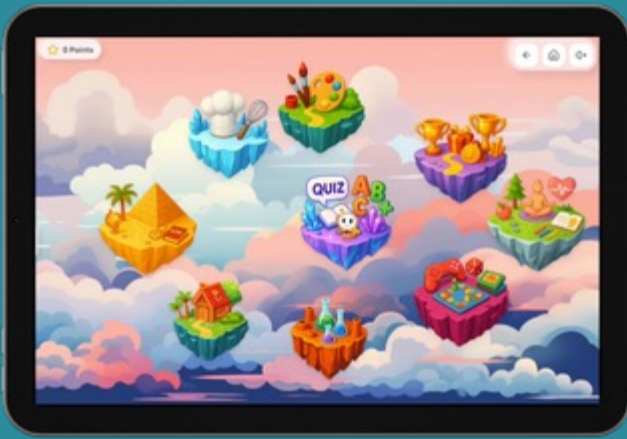


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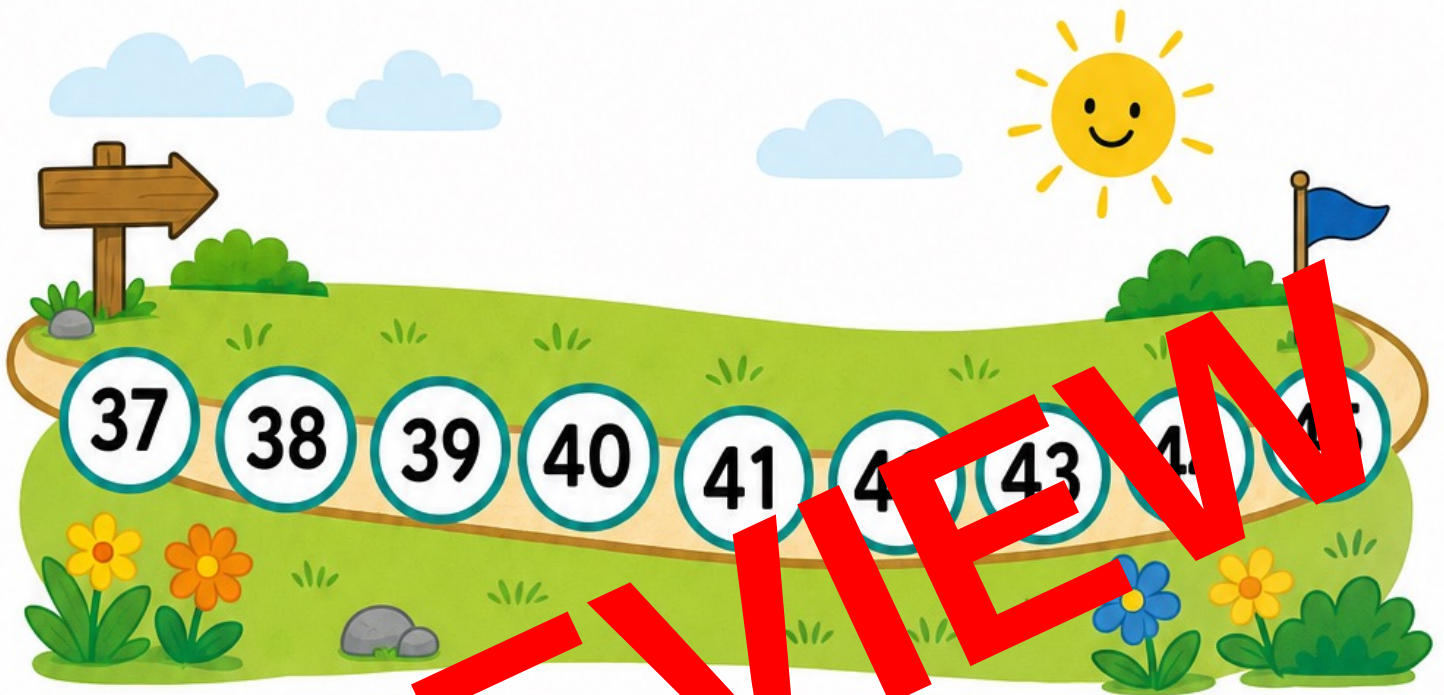
Number Sequences - Year 1

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NUMBER SEQUENCE TRAIL

Count forwards and backwards by 1



**COUNT
FORWARDS**

Numbers get 1 larger.

46

47

48

49

50



**COUNT
BACKWARDS**

Numbers get 1 smaller.

50

49

48

47

46

BEFORE

72



BETWEEN

73



AFTER

74



Say the numbers aloud. Check: one more or one less?

SEQUENCE PATH RACE



Players: 2-4



You need:

1 die and a counter
for each player

HOW TO PLAY

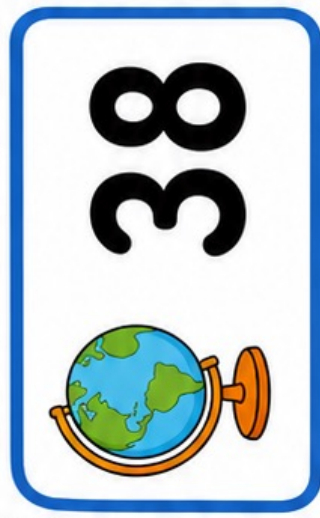
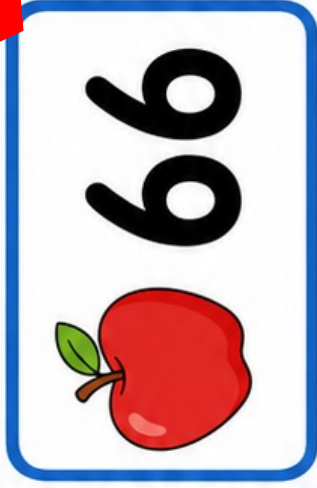
1. Put all counters on START.
2. Roll the die. Move that many spaces.
3. Say the number you land on.
4. Say the number before and the number after.
5. Correct? Stay. Not yet? Move back 1 space.
6. First to FINISH wins!

BEFORE-BETWEEN-AFTER MATCH

★ Consecutive numbers are one more each than the number before and one less than the number after.

HOW TO PLAY

1. Cut out the cards. Shuffle and place them face down.
2. Turn over 3 cards.
3. If they make a consecutive sequence, say them in order and keep the set.
4. If not, turn them face down. The player with the most sets wins.



Name: _____

Date: _____

COUNT ON, COUNT BACK

Fill in the missing numbers. Count by 1.



A. COUNT FORWARDS



1.	23	24	—	—	27
2.	46	—	48	—	51
3.	—	72	73	—	75
4.	96	97	—	99	—



B. COUNT BACKWARDS



5.	35	34	—	—	31
6.	60	—	58	—	56
7.	—	83	82	—	80
8.	120	119	—	117	—

Check: each number changes by 1.

Name: **ANSWERS**

Date: _____

COUNT ON, COUNT BACK

Fill in the missing numbers. Count by 1.

➡ A. COUNT FORWARDS



1.	23	24	<u>25</u>	<u>26</u>	27
2.	46	<u>47</u>	48	<u>49</u>	50
3.	<u>71</u>	72	73	<u>74</u>	75
4.	96	97	<u>98</u>	99	<u>100</u>

◀ B. COUNT BACKWARDS



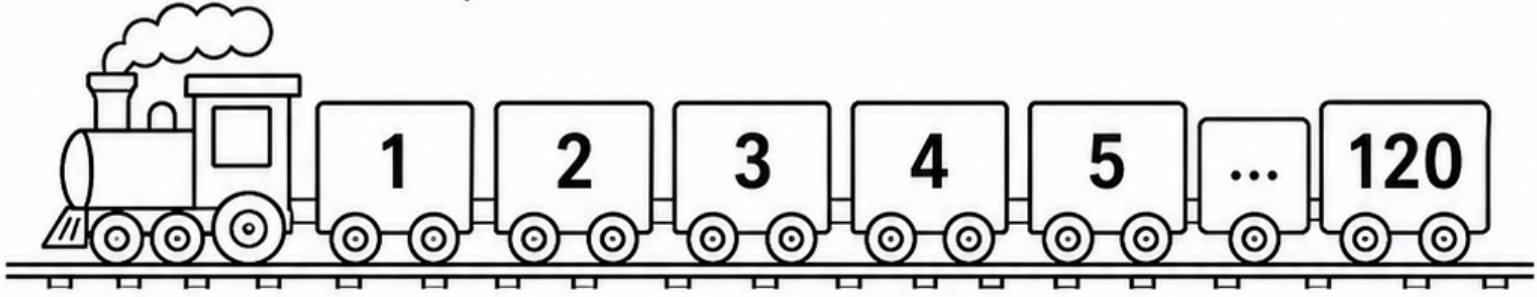
5.	35	34	<u>33</u>	<u>32</u>	31
6.	60	<u>59</u>	58	<u>57</u>	56
7.	<u>84</u>	83	82	<u>81</u>	80
8.	120	119	<u>118</u>	117	<u>116</u>

Check: each number changes by 1.

Name: _____

Date: _____

BEFORE, BETWEEN AND AFTER



A. Write the number before and after.

1. _____	18	_____
2. _____	41	_____
3. _____	6	_____
4. _____	30	_____
5. _____	109	_____
_____	55	_____

B. Write the number between.

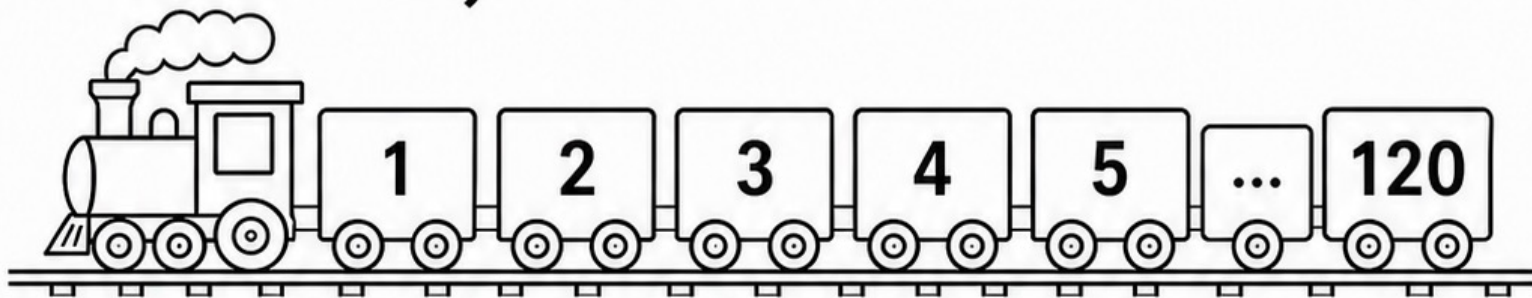
7. 28	_____	30
8. 73	_____	75
9. 116	_____	118
10. 9	_____	11

Think: one less, one more.

Name: **ANSWERS**

Date: _____

BEFORE, BETWEEN AND AFTER



A. Write the number before and after.

1.	<u>17</u>	18	<u>19</u>
2.	<u>40</u>	41	<u>42</u>
3.	<u>66</u>	67	<u>68</u>
4.	<u>89</u>	90	<u>91</u>
5.	<u>108</u>	109	<u>110</u>
	<u>4</u>	55	<u>56</u>

B. Write the number between.

7.	28	<u>29</u>	30
8.	73	<u>74</u>	75
9.	116	<u>117</u>	118
10.	9	<u>10</u>	11

Think: one less, one more.

Name: _____

Date: _____



NUMBER GRID DETECTIVES



Fill the missing number in each chart.
Across is +1. Down is +10.

1.

21	22	23
31	—	33
41	42	43

2.

56	57	58
66	67	—
76	77	78

3.

89	—	91
99	100	101
109	110	111

4.

7	8	9
17	—	19
27	28	29

5.

43	44	45
53	—	55
63	64	65

6.

93	94	95
103	—	105
113	114	115



Use the numbers around each blank.

Name: ANSWERS

Date: _____



NUMBER GRID DETECTIVES



Fill the missing number in each chart.
Across is +1. Down is +10.

1.

21	22	23
31	32	33
41	42	43

2.

56	57	58
66	67	68
76	77	78

3.

89	90	91
99	100	101
109	110	111

4.

7	8	9
17	18	19
27	28	29

5.

43	44	45
53	54	55
63	64	65

6.

93	94	95
103	104	105
113	114	115



Use the numbers around each blank.

Name: _____

Date: _____

ORDER THE NUMBERS

A. Write from smallest to largest.

1. 58, 25, 41

	→		→	
----------------------	---	----------------------	---	----------------------

2. 90, 72, 83

	→		→	
----------------------	---	----------------------	---	----------------------

3. 116, 109, 112

	→		→	
----------------------	---	----------------------	---	----------------------

4. 37, 9, 64

	→		→	
----------------------	---	----------------------	---	----------------------

B. Write from largest to smallest.

5. 52, 68, 45

	→		→	
----------------------	---	----------------------	---	----------------------

6. 101, 88, 110

	→		→	
----------------------	---	----------------------	---	----------------------

7. 57, 75, 27

	→		→	
----------------------	---	----------------------	---	----------------------

8. 14, 41, 30

	→		→	
----------------------	---	----------------------	---	----------------------

Compare the tens first. Then check the ones.

Name: **ANSWERS**

Date: _____

ORDER THE NUMBERS

A. Write from smallest to largest.

1. 58, 25, 41

25



41



58

2. 90, 72, 83

72



83



90

3. 116, 109, 112

109



112



116

4. 37, 9, 64

9



37



64

B. Write from largest to smallest.

5. 32, 68, 45

68



45



32

6. 101, 88, 110

110



101



88

7. 57, 75, 27

75



57



27

8. 14, 41, 30

41



30



14

Compare the tens first. Then check the ones.

Name: _____

Date: _____

FIND THE MISSING NUMBERS

Fill in each blank. Count by 1.



COUNT FORWARDS



1. 14 15 ____ 17 ____ 19

2. ____ 40 41 ____ 43 44

3. 72 ____ 74 ____ 76 77



COUNT BACKWARDS



4. 91 90 ____ 88 ____ 86

5. ____ 115 114 ____ 112 111

6. 58 ____ 56 55 ____ 53



Read the whole sequence to check.



Name: ANSWERS

Date: _____

FIND THE MISSING NUMBERS

Fill in each blank. Count by 1.



COUNT FORWARDS



1. 14 15 16 17 18 19

2. 39 40 41 42 43 44

3. 72 73 74 75 76 77



COUNT BACKWARDS

4. 91 90 89 88 87 86

5. 116 115 114 113 112 111

6. 58 57 56 55 54 53

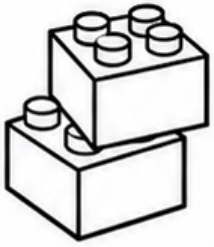


Read the whole sequence to check.

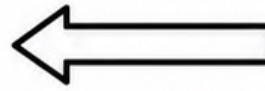
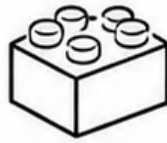
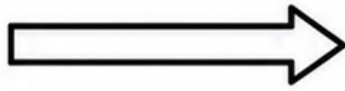
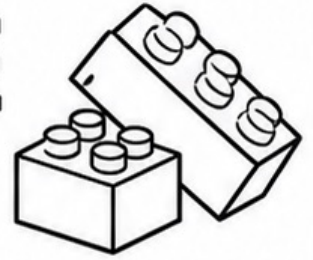


Name: _____

Date: _____



BUILD A SEQUENCE



Complete each sequence. Count by 1.

1. Start at 33. Count forwards.

33	—		—		—		—	
----	---	--	---	--	---	--	---	--

2. Start at 87. Count backwards.

87	—		—		—	
----	---	--	---	--	---	--

3. Write the number before and after 60.

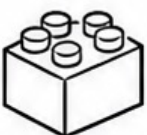
	—	60	—	
--	---	----	---	--

4. Count forwards from 105 to 110.

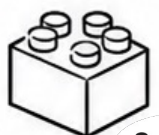
105	—		—		—		—		—	110
-----	---	--	---	--	---	--	---	--	---	-----

5. Create a backward sequence. Start below 50.

	—		—		—		—	
--	---	--	---	--	---	--	---	--

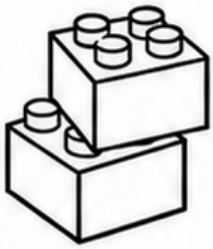


My numbers change by 1 each time.

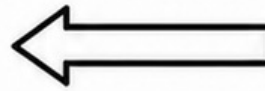
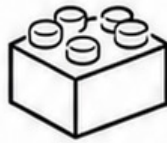
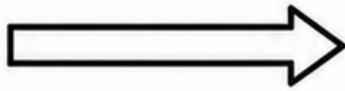
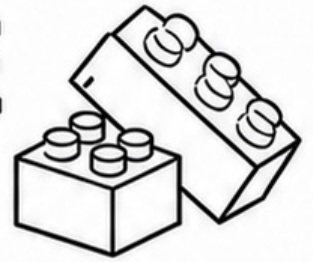


Name: **ANSWERS**

Date: _____



BUILD A SEQUENCE



Complete each sequence. Count by 1.

1. Start at 33. Count forwards.

33	34	35	36	37
----	----	----	----	----

2. Start at 87. Count backwards.

87	86	85	84	83
----	----	----	----	----

3. Write the number before and after 60.

59	60	61
----	----	----

4. Count forwards from 105 to 110.

105	106	107	108	109	110
-----	-----	-----	-----	-----	-----

5. Create a backward sequence. Start below 50.

44	43	42	41	40
----	----	----	----	----



My numbers change by 1 each time.

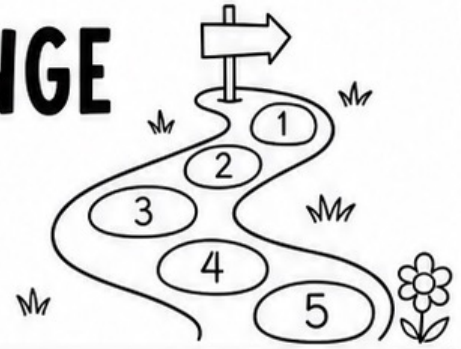


Name: _____

Date: _____

NUMBER SEQUENCE CHALLENGE

Show what you know.



1. Count forwards. Fill the blanks.

48	49	—	—	52
----	----	---	---	----

2. Count backwards. Fill the blanks.

76	75	—	—	72
----	----	---	---	----

3. Write the number before and after.

—	63	—
---	----	---

4. Write the number between.

109	—	111
-----	---	-----

5. Order from smallest to largest.

34, 8, 62

—	—	—
---	---	---

6. Order from largest to smallest.

29, 91, 57

—	—	—
---	---	---

7. Fill the missing number in the chart.

34	35	36
44	—	46
54	55	56

8. Create a 5-number forward sequence. Start at 105.

105				
-----	--	--	--	--

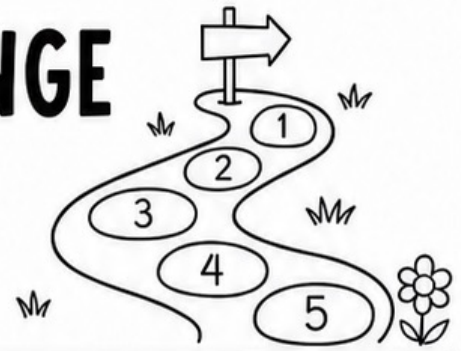
9. Explain: What changes each time in your sequence?

Name: **ANSWERS**

Date: _____

NUMBER SEQUENCE CHALLENGE

Show what you know.



1. Count forwards. Fill the blanks.

48	49	50	51	52
----	----	----	----	----

2. Count backwards. Fill the blanks.

76	75	74	73	72
----	----	----	----	----

3. Write the number before and after.

62	63	64
----	----	----

4. Write the number between.

109	110	111
-----	-----	-----

5. Order from smallest to largest.

54, 8, 62

8	62	84
---	----	----

6. Order from largest to smallest.

29, 91, 57

91	57	29
----	----	----

7. Fill the missing number in the chart.

34	35	36
44	45	46
54	55	56

8. Create a 5-number forward sequence. Start at 105.

105	106	107	108	109
-----	-----	-----	-----	-----

9. Explain: What changes each time in your sequence?

The numbers get 1 larger each time.

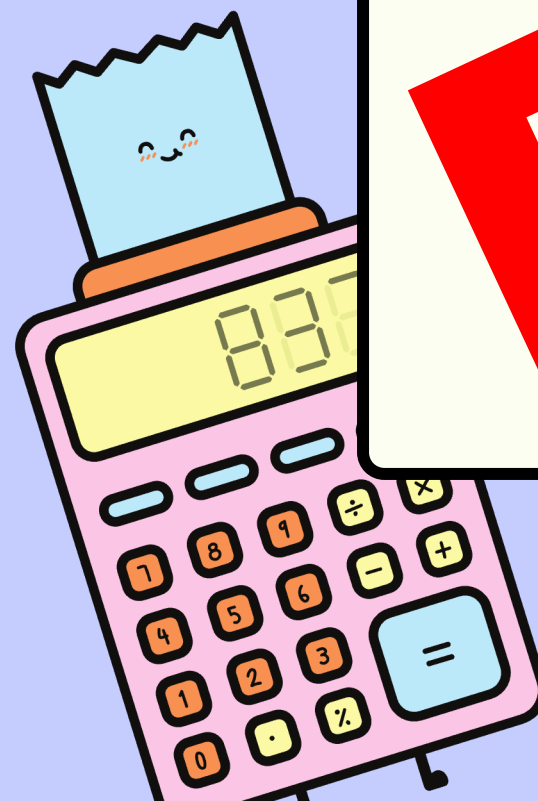
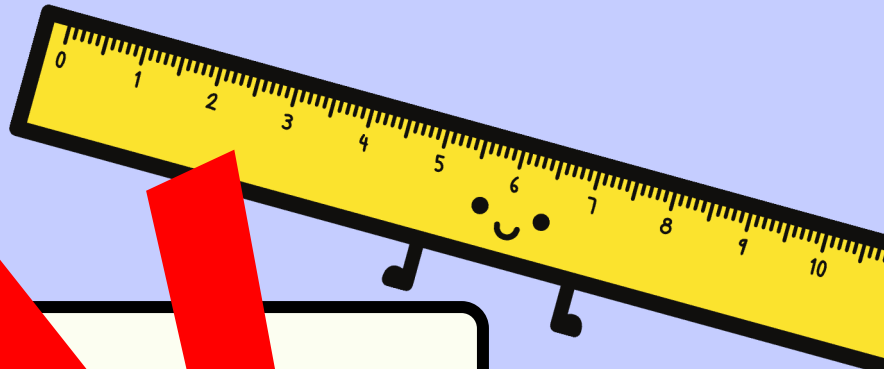
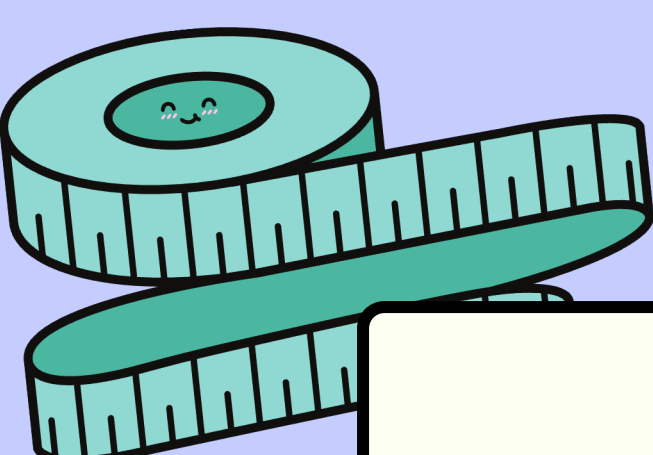
NUMBER SEQUENCES YEAR 1 RUBRIC

Student: _____

Date: _____

Class: _____

CRITERIA	BEGINNING	LEVEL 1 DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Counts forwards and backwards by 1	Needs step-by-step support.	Continues a sequence.	Completes familiar sequences.	Completes varied sequences accurately.	Explains one more and one less.
Finds neighbours and missing numbers	Needs support to find neighbours.	Finds some before or after number.	Finds before, between, after and gaps.	Finds all accurately and checks.	Explains how neighbours reveal gaps.
Orders numbers within 120	Needs support to compare numbers.	Orders part of a set.	Orders sets in the same direction.	Orders all sets accurately and checks.	Explains how the numbers were compared.
Creates and explains a sequence	Needs support to begin.	Creates part of a sequence.	Creates a sequence of consecutive numbers.	States the direction and rule.	Explains the one-more relationship clearly.



Number Sequences



What Is a Sequence?

A number sequence is a list of numbers in order.

Each number has a place.

Use the rule or one less to keep the sequence going.



Count Forwards

Start at the next number.

Each step is one more.

23, 24, 25, 26, 27



Count Backwards

Start the number before

Each step is one less.

52, 51, 50, 49, 48



Start Anywhere

You can start at any number.

Start at 68 and count forwards:

68, 69, 70, 71, 72



Find the Number Before

The number before is one less.

Before 46 is 45.

45, 46



Find the Number After

The number after is one more.

After 79, 80.

79, 80



Find the Number Between

The number between has a neighbor on each side.

104, 105, 106

105 is between 104 and 106.



Use a Number Line

A number line helps numbers order.

Move right to count forwards.

Move left to count backwards.



Use a Number Chart

Numbers across a row are consecutive.

Across: one more or one less.

Down: ten more or ten less.



Fill the Gap

Check the number on both sides.

40, 41, , 43, 44

The missing number is 42.



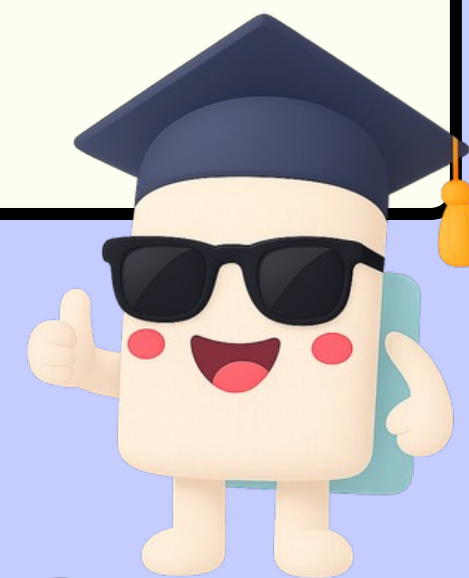
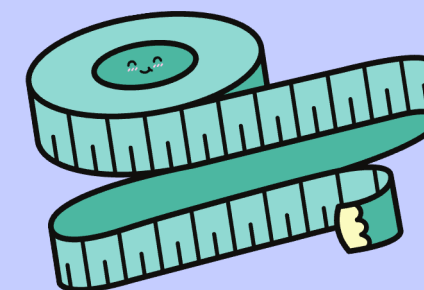
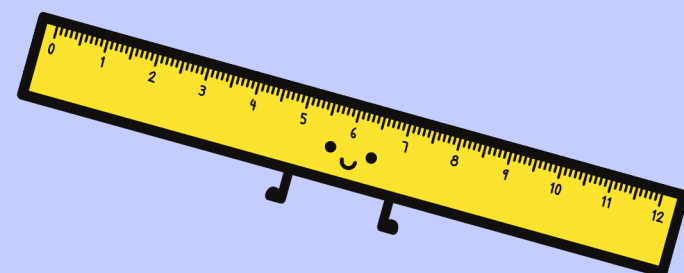
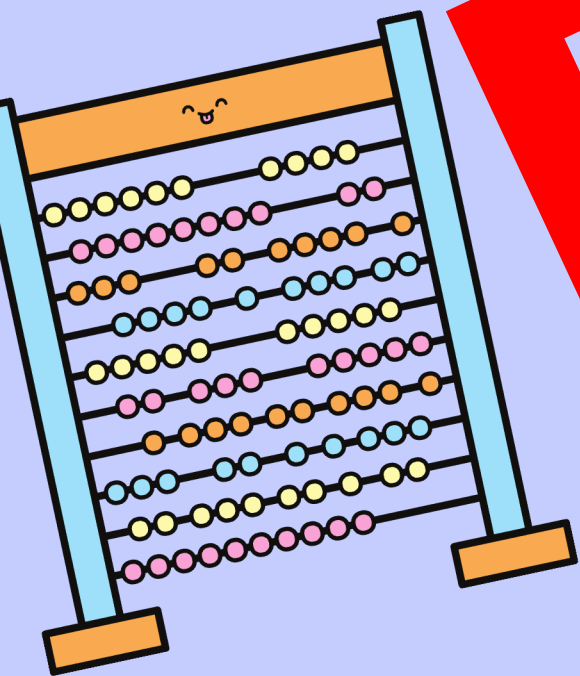
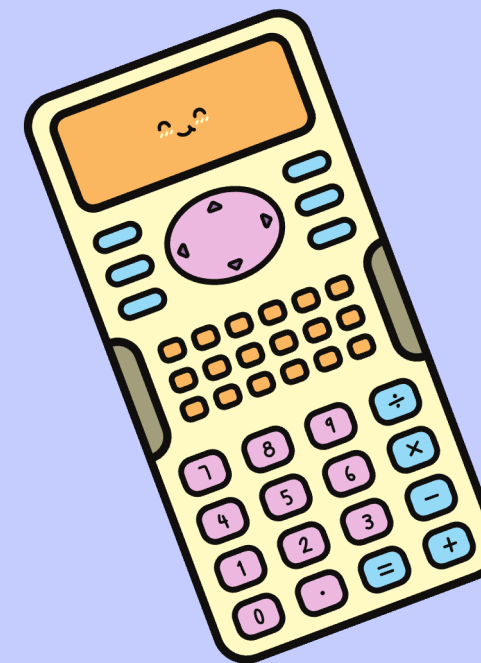
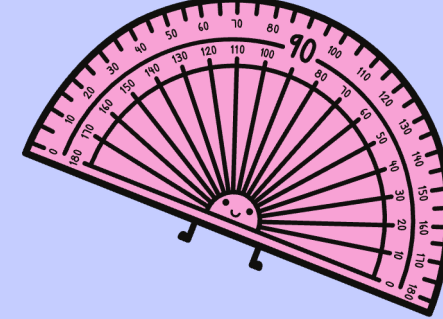
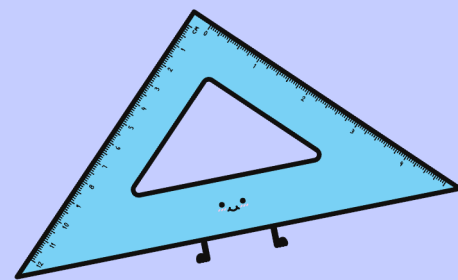
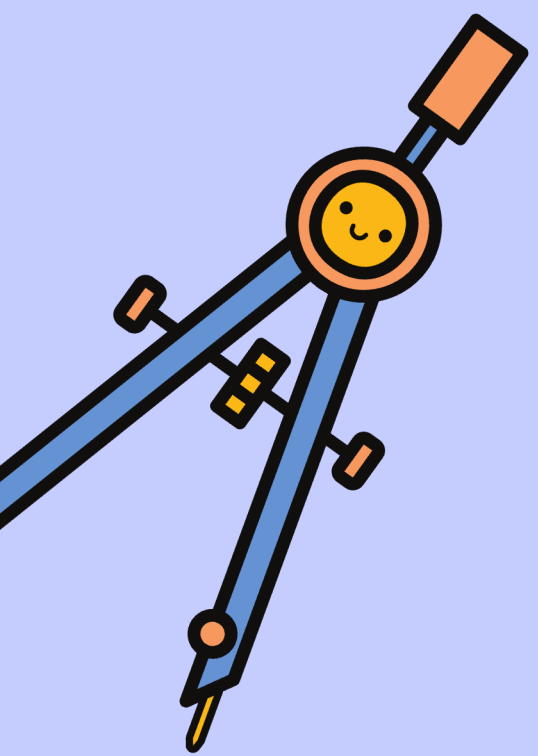
Order Numbers

Smallest to largest: numbers increase.

Largest to smallest: numbers decrease.

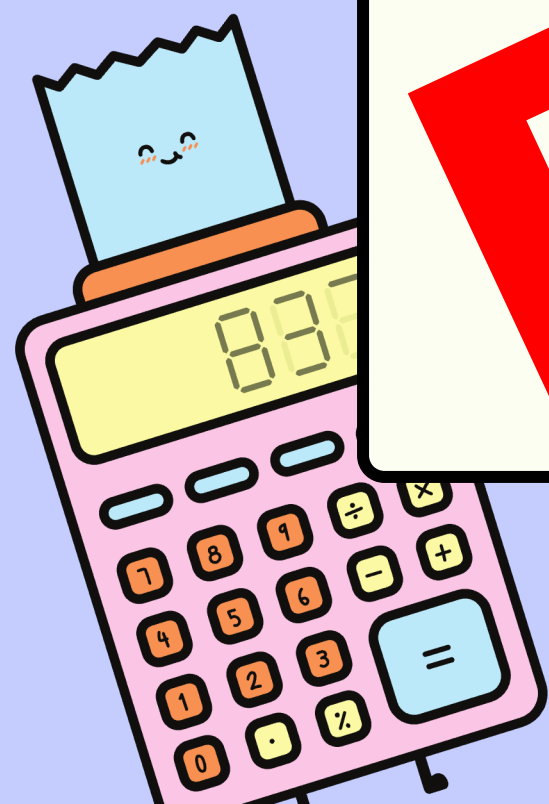
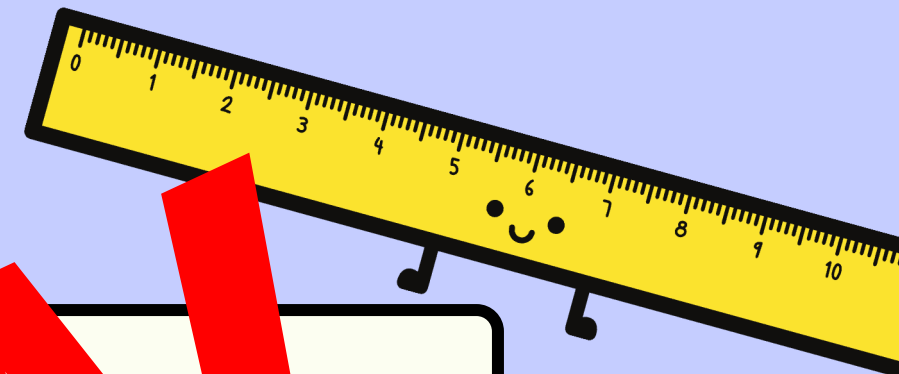
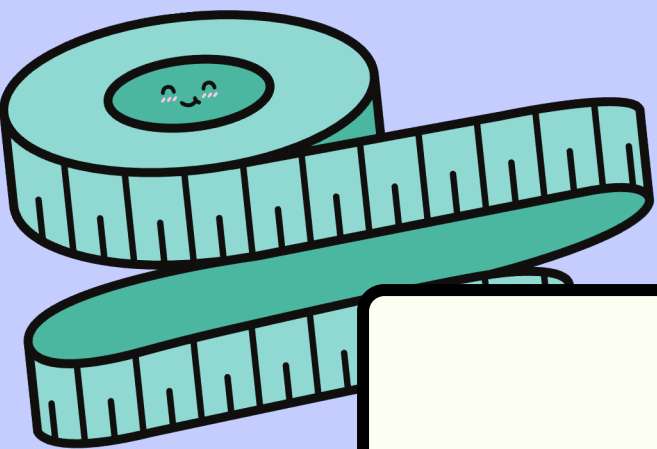
Compare tens first, then ones.





PREVIEW

Well Done!



Numbers Sequences Quiz

PREVIEW



Question 1

Which numbers missing?

56, 57, __, 59, 60

A. 55 B. 58 C. 61 D. 62



Answer 1

56, 57, 58, 59, 60

Answer: D. 58



Question 2

True or false?

Counting backwards by 1 makes each number one less.

A. True B. False



Answer 2

Answer: A True

Example: 41, 43, 42

PREVIEW



Question 3

What number comes before 47?

Answer: _____

PREVIEW



Answer 3

PREVIEW

Answer 46



Question 4

Which numbers missing?

68, 69, 71

A. 67 B. 69 C. 70 D. 72



Answer 4

68, 69, 70, 71

Answer: c. 70

PREVIEW



Question 5

Write from smallest to largest

52, 2, 2

Answer: _____



Answer 5

PREVIEW

Answer. 5 42, 52



Question 6

True or false?
100 comes after 99.
A. True B. False



Answer 6

PREVIEW

Answer: A True

99, 100



Question 7

Which numbers missing?

24, 35, 31

A. 30 B. 32 C. 35 D. 36



Answer 7

34, 33, 32, 31

Answer: D. 32



Question 8

Write the next three numbers

36, 8, 8, ...

Answer: _____



Answer 8

Answer. 90, 91

PREVIEW



Question 9

Which number is between 109 and 111?

A. 108 B. 109 C. 110 D. 112



Answer q

PREVIEW

Answer: 110

109, 110, 111



Question 10

Write the next three numbers

73, 72, 71 ...

Answer: _____

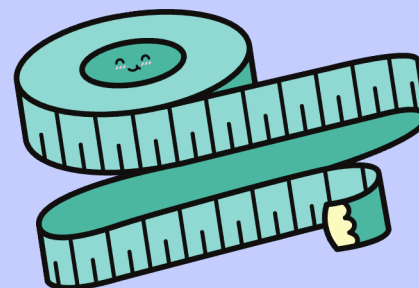
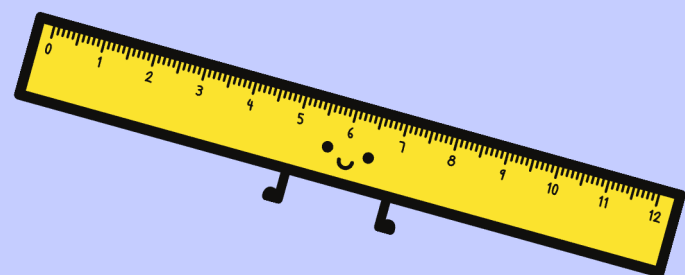
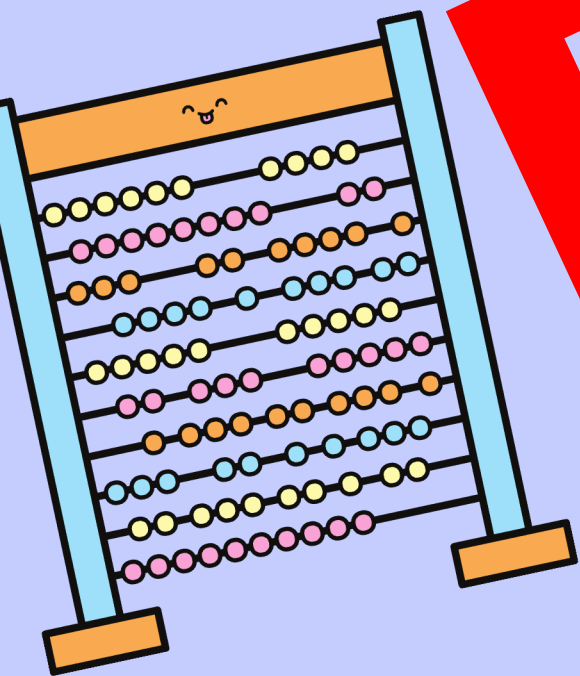
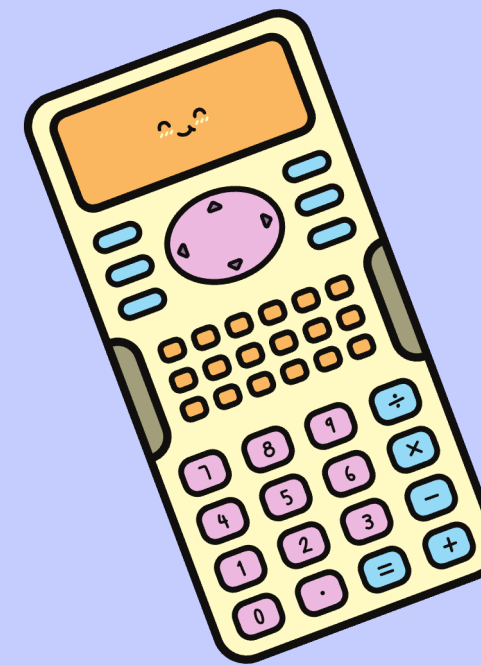
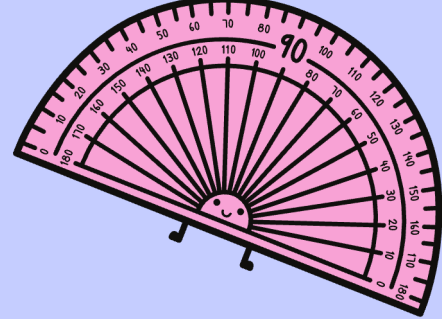
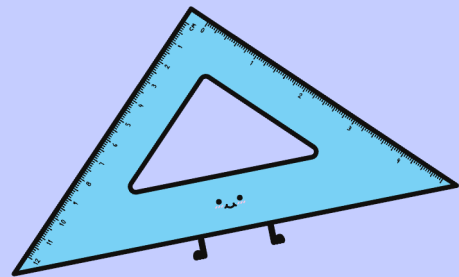
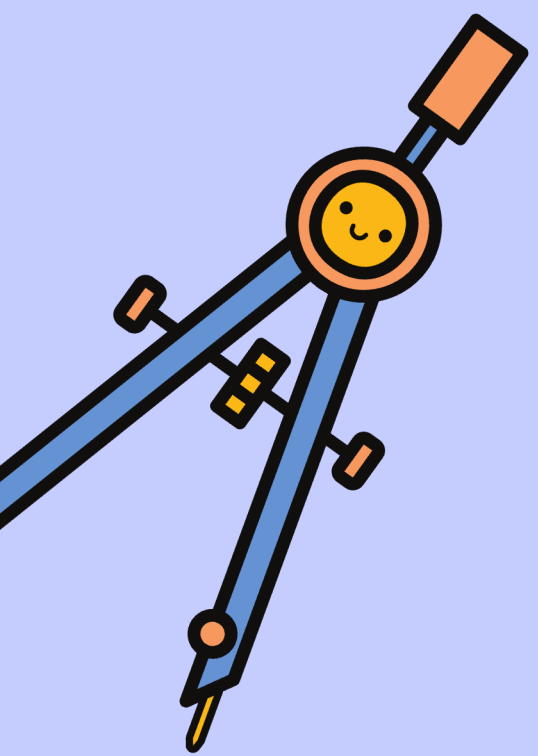


Answer 10

Answer. 59, 68

PREVIEW





PREVIEW

Well Done!