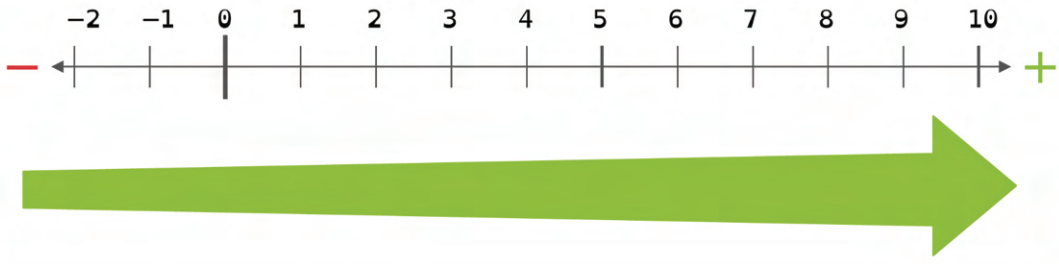
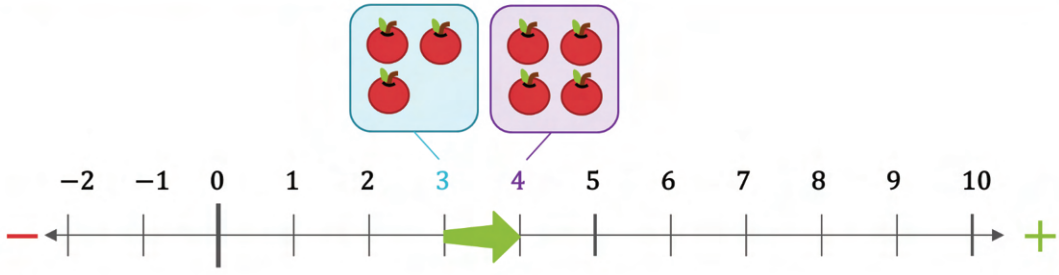
The number line and tidy numbers

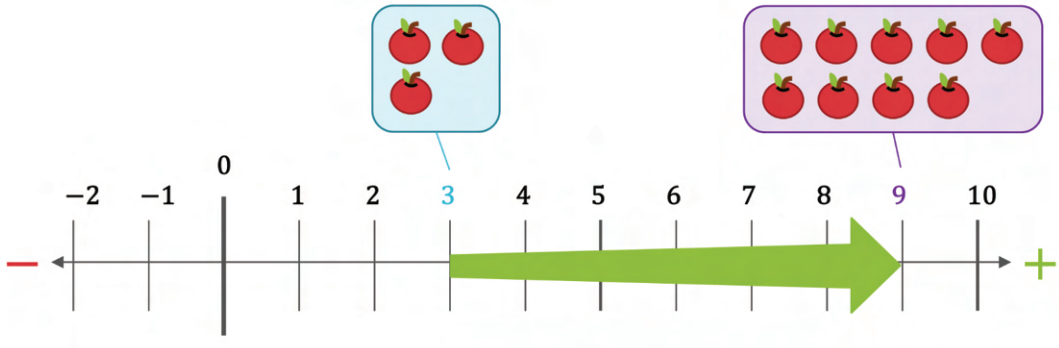
Below is a number line. As we go to the right, the numbers get bigger.



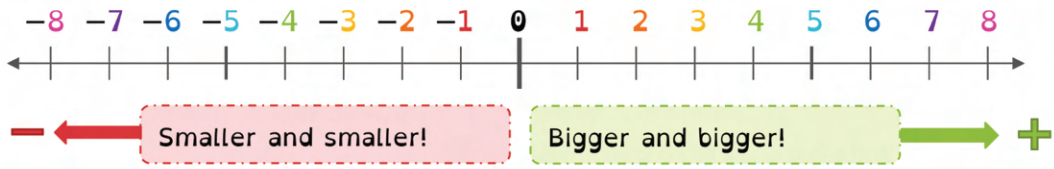
See how 4 is bigger than 3?



The number 9 is also bigger than 3, but the difference is bigger because it's further along the number line. Numbers close together on the number line have a small difference, while numbers further apart have a larger difference.

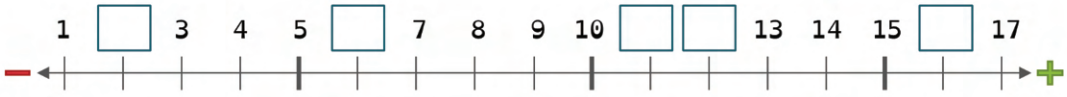


Let's take a closer look at both sides of the number line.

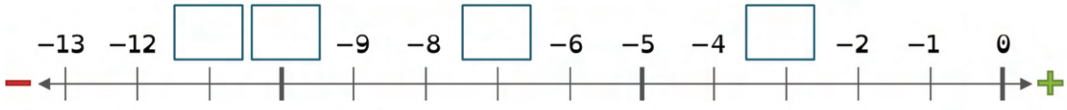


See how the negative side is like a backwards positive side?

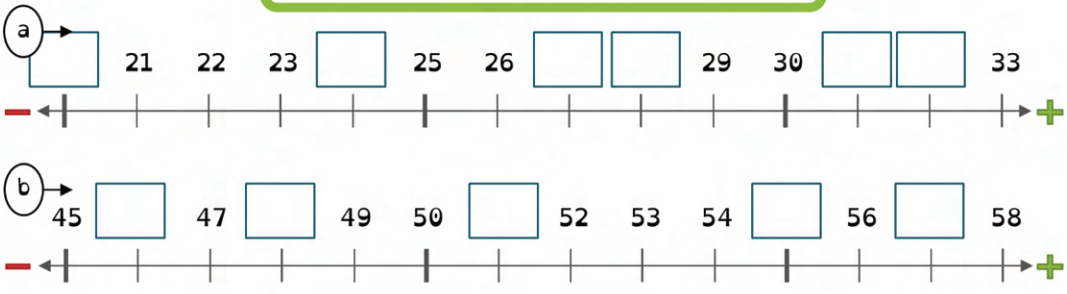
1. Can you fill in the missing numbers?



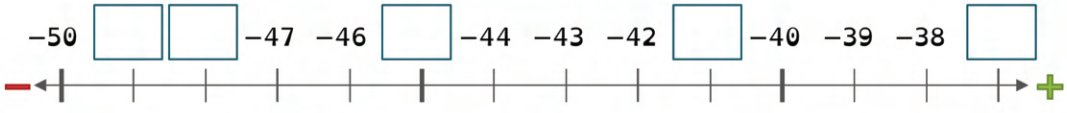
2. And now let's do the negative side.



3. Back to positives.

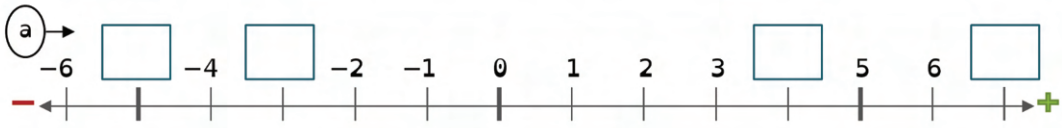


4. Negatives again!

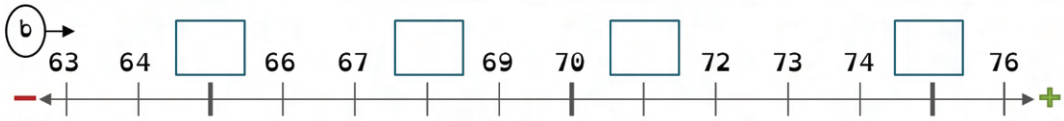


5. And now, fill in the empty boxes on these number lines.

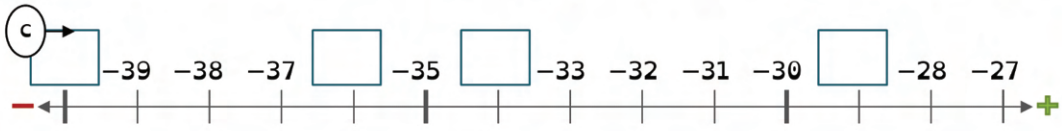
a



b



c



6. Use the last few pages, or imagine a number line in your head to answer the questions below. Circle the numbers that answer each box's question. Check your answers after you've completed each box.

a

Which of these is BIGGER?

7 or 9?
10 or 5?
12 or 1?
11 or 3?
8 or 2?

b

Which of these is SMALLER?

8 or 5?
9 or 3?
4 or 6?
12 or 2?
5 or 10?

c

Which of these is BIGGER?

−7 or −3?
−8 or −12?
−3 or −10?
−2 or −11?
−5 or −9?

d

Which of these is BIGGER?

67 or 29?
13 or 55?
42 or 18?
11 or 35?
88 or 22?

e

Which of these is SMALLER?

85 or 75?
39 or 93?
42 or 68?
17 or 22?
55 or 18?

f

Which of these is BIGGER?

−75 or −33?
−85 or −12?
−32 or −19?
−21 or −16?
−59 or −92?

Something that you will come across a lot in maths is 'tidy numbers'. They are numbers that are multiples of 10. You can easily tell them apart from other numbers because they always end in a 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	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

Tidy numbers

These are also tidy numbers:

140 200 1580 76920

7. Circle the tidy numbers below!

23 78 150 305 280

334 60 104 900 30

ANSWERS: The number line and tidy numbers

Page 14

1. 2, 6, 11, 12, 16

2. −11, −10, −7, −3

3.
a. 20, 24, 27, 28, 31, 32
b. 46, 48, 51, 55, 57

4. −49, −48, −45, −41, −37

Page 15

5.
a. −5, −3, 4, 7
b. 65, 68, 71, 75
c. −40, −36, −34, −29

6.
(answers to be circled going down each box)
a. 9, 10, 12, 11, 8
b. 5, 3, 4, 2, 5
c. −3, −8, −3, −2, −5
d. 67, 55, 42, 88
e. 75, 39, 42, 17, 18
f. −33, −12, −19, −16, −59

Page 16

7. 60, 140, 900, 280, 30 should be circled.