Revision of number and place value

Multiply and divide by 10, 100 and 1000

Set 1

1) 32 x 10
2) 45 x 10
3) 97 x 10
4) 193 x 10
5) 268 x 10
6) 230 ÷ 10
7) 640 ÷ 10
8) 790 ÷ 10
9) 310 ÷ 10
10) 990 ÷ 10

Set 2

1) 478 x 10
2) 367 x 10
3) 920 x 10
4) 34 x 100
5) 68 x 100
6) 450 ÷ 10
7) 710÷ 10
8) 2200 ÷ 100
9) 5600÷ 100
10) 9900 ÷ 1000

Set 3

1) 2346 x 10
2) 9028 x 10
3) 6587 x 10
4) 9809 x 10
5) 764 x 10
6) 910 ÷ 10
7) 340 ÷ 100
8) 6700 ÷ 100
9) 950 ÷ 1000
10) 100100 ÷ 1000

Reading and writing numbers

Write these words as numbers:

1) Three hundred and twelve
2) Nine hundred and sixty-two
3) Seven hundred and six
4) Four hundred and twenty-five
5) Eight hundred and nine
6) Six thousand and two
7) One thousand three hundred and seventy-nine
8) Twelve thousand six hundred and thirty-four
9) One hundred and seventeen thousand and forty-six
10) Three hundred and forty-eight thousand nine hundred
11) Sixteen point three-five
12) Four hundred and seventeen point nine
13) Two million three hundred and twenty-five thousand seven hundred and eighty-six
14) Five point eight
15) Fifteen point zero three

Reading and writing numbers

Write these numbers in words:

1) 432
2) 345
3) 760
4) 103
5) 987
6) 4312
7) 5496
8) 6471
9) 4007
10) 35.54
11) 17.63
12) 2,908,712
13) 300,542
14) 280,091
15) 9,000,231

The numbers on the judges scoreboard have fallen off. The digits are 5 9 and 6. using these numbers there are six different possible scores:

569   596   659   695   956   965

The highest possible score is 965, the lowest possible score is 569. the difference between the two scores is 965 – 569 = 396 (use column method to work out the answers)

Using these digits find all the possibilities and then find the difference between the highest and lowest numbers.

9   3   2

Now try it with these digits – can you find more possibilities?

Using these digits find all the possibilities and then find the difference between the highest and lowest numbers.

6   7   8   9

Use all these digits (every time) to make the following numbers:

4 5 0 9 2

1) The highest multiple of ten
2) The lowest even number you can make
3) An even number less than 40,000
4) An odd number more than 50,000
5) The lowest multiple of 5 you can make
6) The highest number
7) The lowest number
8) Find the difference between the highest and lowest number

Negative numbers

Use a number line to help you work it out

Using a numberline to calculate with negative numbers.

$3 - 5 = -2$

Taking away 5 means making 5 jumps
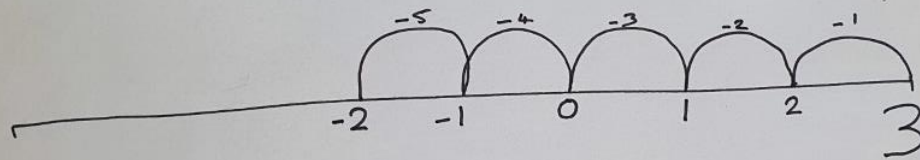
When working out subtraction start at the right of the number line

When working out addition start at the left of the number line

$-4 + 6 = 2$

adding 6 means making 6 jumps
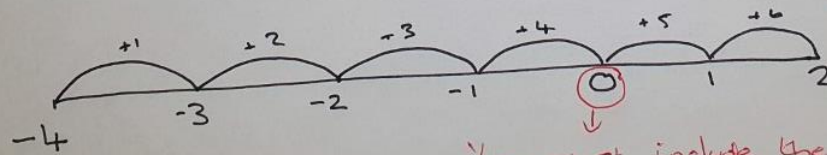
You must include the '0'

1) 9 – 12
2) -3 + 12
3) 7 – 13
4) 9 – 15
5) -5 + 12
6) -3 + 11
7) -9 – 1
8) 10 – 13
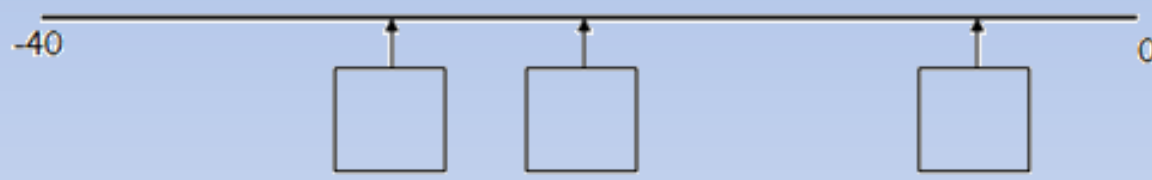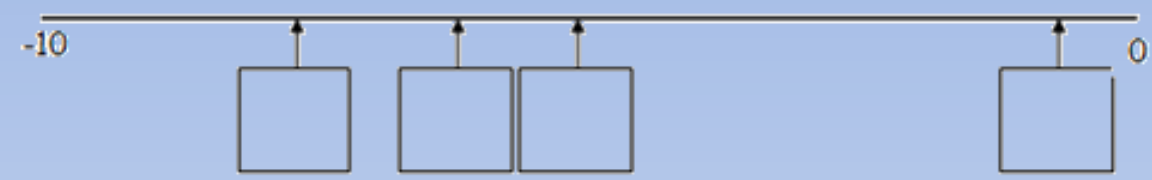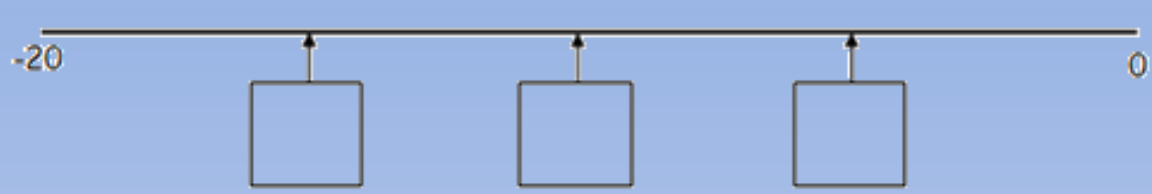9) -8 + 14
10) -4 + 7
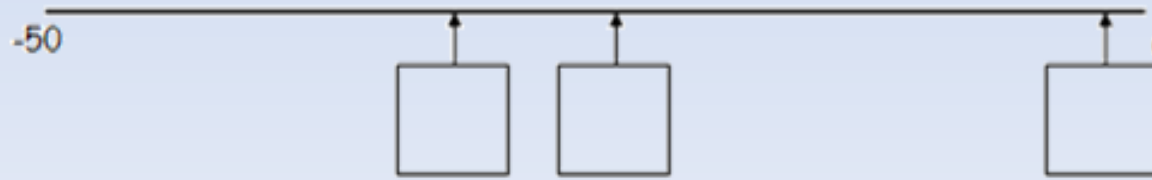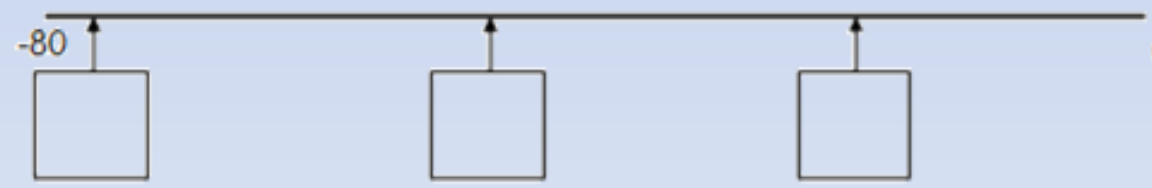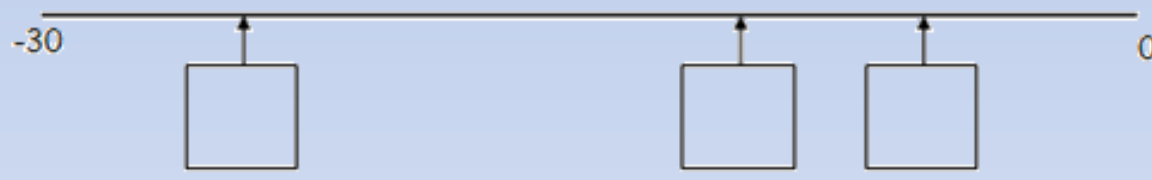
Identifying numbers on a number line

Record the numbers identified by the boxes