# Directed Numbers

**Example**

<table>
<thead>
<tr>
<th>Use a directed number to represent the given action</th>
<th>Match the words used in column 1 with its opposite, with a line</th>
</tr>
</thead>
<tbody>
<tr>
<td>A gain of 300 points</td>
<td>26 Lost • Penalise</td>
</tr>
<tr>
<td>1 Up 60 m</td>
<td>27 North • Increase</td>
</tr>
<tr>
<td>2 Loss of $95</td>
<td>28 Fall • Withdrawal</td>
</tr>
<tr>
<td>3 Increase of 13%</td>
<td>29 Decrease • Found</td>
</tr>
<tr>
<td>4 Deposit of $20</td>
<td>30 Bank fees • Profit</td>
</tr>
<tr>
<td>5 South 400 km</td>
<td>31 North • South</td>
</tr>
<tr>
<td>6 Left 15°</td>
<td>32 Deposit • Down</td>
</tr>
<tr>
<td>7 Dismantling 61 cars</td>
<td>33 Left • Rise</td>
</tr>
<tr>
<td>8 Bank fees of $3.80</td>
<td>34 Assist • Interest</td>
</tr>
<tr>
<td>9 Down 4 storeys</td>
<td>35 Loss • Right</td>
</tr>
<tr>
<td>10 Fall of 23°C</td>
<td>36 Construct sentences that describe the directed numbers, given a subject for the sentence</td>
</tr>
<tr>
<td>11 Profit of $712</td>
<td>Example -13: Time The space shuttle will commence lift off in 13 seconds</td>
</tr>
<tr>
<td>12 East 650 m</td>
<td>27 -4 000: Distance</td>
</tr>
<tr>
<td>13 Lost 6 nuts</td>
<td>28 -220: Money</td>
</tr>
<tr>
<td>14 12 s before lift-off</td>
<td>29 40: Percentage</td>
</tr>
<tr>
<td>15 Withdrawal of $193</td>
<td>30 -6: Temperature</td>
</tr>
<tr>
<td>16 12 knot wind assist</td>
<td>31 From 6°C drops 8°C</td>
</tr>
<tr>
<td>17 West 5 paces</td>
<td>32 From 4°C drops 11°C</td>
</tr>
<tr>
<td>18 Penalise 13 strokes</td>
<td>33 From -3°C rises 7°C</td>
</tr>
<tr>
<td>19 Found 14 bolts</td>
<td>34 From -5°C rises 3°C</td>
</tr>
<tr>
<td>20 Constructing 4 buses</td>
<td>35 From -7°C rises 7°C</td>
</tr>
<tr>
<td>21 Account interest $16</td>
<td>36 From A to C</td>
</tr>
<tr>
<td>22 4 min after ignition</td>
<td>37 From B to C</td>
</tr>
<tr>
<td>23 Right 85 cm</td>
<td>38 From C to D</td>
</tr>
<tr>
<td>24 North 33 km</td>
<td>39 From D to B</td>
</tr>
<tr>
<td>25 Rise of 56%</td>
<td>40 From A to B</td>
</tr>
<tr>
<td></td>
<td>41 From D to A</td>
</tr>
<tr>
<td></td>
<td>42 From B to A</td>
</tr>
</tbody>
</table>
Directed Numbers

Use a directed number to represent the given action

Example
A gain of 300 points 300
1 Up 60 m 60
2 Loss of $95 -95
3 Increase of 13% 13
4 Deposit of $20 20
5 South 400 km -400
6 Left 15° -15
7 Dismantling 61 cars -61
8 Bank fees of $3.80 -3.80
9 Down 4 storeys -4
10 Fall of 23°C -23
11 Profit of $712 712
12 East 650 m 650
13 Lost 6 nuts -6
14 12 s before lift-off -12
15 Withdrawal of $193 -193
16 12 knot wind assist 12
17 West 5 paces -5
18 Penalise 13 strokes -13
19 Found 14 bolts 14
20 Constructing 4 buses 4
21 Account interest $16 16
22 4 min after ignition 4
23 Right 85 cm 85
24 North 33 km 33
25 Rise of 56% 56

Match the words used in column 1 with its opposite, with a line

26 Lost
27 North
28 Fall
29 Increase
30 Withdrawal
31 Found
32 Profit
33 Up
34 South
35 Down
36 Deposit
37 Left
38 Rise
39 Interest
40 Assist
41 Loss
42 Construct sentences that describe the directed numbers, given a subject for the sentence

Example -13: Time

The space shuttle will commence lift off in 13 seconds

27 -4 000: Distance

The ship is 4 000 km west of its destination port

28 -220: Money

A withdrawal of $220 was made from a bank account

29 40: Percentage

There was a 40% increase in sales from last year

30 -6: Temperature

There was a drop in temperature of 6°C overnight

Find the new temperature when the given change occurs

31 From 6°C drops 8°C -2°C
32 From 4°C drops 11°C -7°C
33 From -3°C rises 7°C 4°C
34 From -5°C rises 3°C -2°C
35 From -7°C rises 7°C 0°C

Give the temperature difference between the two thermometers, if there is a temperature drop, use °.

36 From A to C -7°C
37 From B to C 3°C
38 From C to D -7°C
39 From D to B 4°C
40 From A to B -10°C
41 From D to A 14°C
42 From B to A 10°C