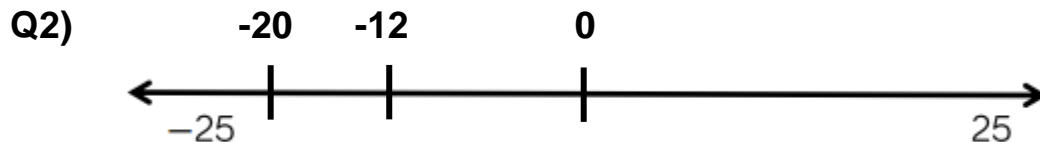


## Monday: Negative Numbers

**Q1)** Zero is in the middle of each representative. Negative numbers are represented below the number line and positive numbers are represented above the number line. Different colours are used for different digits, although the same colour is used for both positive and negative numbers. Numicon, unifix and a number line are used as different representatives.



**Q3)** 56 degrees

### Extension:

**1)** True or False?

- The temperature outside is  $-5$  degrees, the temperature inside is 25 degrees.  
The difference is 20 degrees.
- Four less than negative six is negative two.
- 15 more than  $-2$  is 13

Explain how you know each statement is true or false.

False: the difference is 30 degrees because it is 5 degrees from  $-5$  to 0. Added to 25 totals 30.

False: it is negative 10 because the steps are going further away from zero.

True

**2)**

Put these statements in order so that the answers are from smallest to greatest.

- The difference between  $-24$  and  $-76$
- The even number that is less than  $-18$  but greater than  $-22$
- The number that is half way between 40 and  $-50$
- The difference between  $-6$  and 7

52

$-20$

$-5$

13

Ordered:  
 $-20, -5, 13, 52$

## Tuesday: Mental Maths

<b>1</b> 87	<b>11</b> 1630	<b>21</b> 142 748	<b>31</b> 461 097
<b>2</b> 101	<b>12</b> 15 500	<b>22</b> 1 441 319	<b>32</b> 417 762
<b>3</b> 140	<b>13</b> 114 000	<b>23</b> 20 326	<b>33</b> 5 130 310
<b>4</b> 124	<b>14</b> 13 300	<b>24</b> 100 573	<b>34</b> 422 965
<b>5</b> 152	<b>15</b> 1 200 000	<b>25</b> 1 571 860	<b>35</b> 2 364 202
<b>6</b> 38	<b>16</b> 630	<b>26</b> 430 035	<b>36</b> 636 047
<b>7</b> 45	<b>17</b> 4500	<b>27</b> 168 991	<b>37</b> 2 659 728
<b>8</b> 69	<b>18</b> 57 000	<b>28</b> 2 425 607	<b>38</b> 865 859
<b>9</b> 83	<b>19</b> 890	<b>29</b> 638 152	<b>39</b> 736 684
<b>10</b> 28	<b>20</b> 7800	<b>30</b> 1 864 384	<b>40</b> 7 800 496

## Wednesday: Addition

<b>1</b> 42 331	<b>5</b> 94 194	<b>9</b> 82 214	<b>13</b> 106 032	<b>17</b> 75 030
<b>2</b> 58 411	<b>6</b> 86 790	<b>10</b> 101 305	<b>14</b> 144 520	<b>18</b> 122 503
<b>3</b> 41 864	<b>7</b> 70 392	<b>11</b> 90 734	<b>15</b> 133 505	
<b>4</b> 59 805	<b>8</b> 59 026	<b>12</b> 56 940	<b>16</b> 64 010	

## Extension:

- 1) Jack and Rosie = 7491  
 Rosie and Eva = 15028  
 Jack, Rosie and Eva = 1848

- 2) Work out the missing numbers.

	?	4	?	3	?
+	2	?	5	?	2
	7	8	5	2	9

$$54,937 + 23,592 = 78,529$$

## Thursday: Subtraction

<b>1</b> 9867	<b>5</b> 36 527	<b>9</b> 75 617	<b>13</b> 24 709	<b>17</b> 36 942
<b>2</b> 21 442	<b>6</b> 23 530	<b>10</b> 12 755	<b>14</b> 69 572	<b>18</b> 7502
<b>3</b> 9843	<b>7</b> 20 387	<b>11</b> 59 758	<b>15</b> 6057	
<b>4</b> 44 357	<b>8</b> 24 863	<b>12</b> 53 673	<b>16</b> 49 918	

### Extension:

- Eva makes a 5-digit number.

Mo makes a 4-digit number.

The difference between their numbers is 3,465

What could their numbers be?

Possible answers:

9,658 and 14,023  
12,654 and 8,289  
5,635 and 10,000

Etc.
- Rosie completes this subtraction incorrectly.

$$\begin{array}{r} 28701 \\ - 7621 \\ \hline 21180 \end{array}$$

Explain the mistake to Rosie and correct it for her.

Rosie did not write down the exchange she made when she exchanged 1 hundred for 10 tens. This means she still had 7 hundreds subtract 6 hundreds when she should have 6 hundreds subtract 6 hundreds. The correct answer is 21,080

### Friday: Written Method for Addition and Subtraction

<b>1</b> 41 153	<b>5</b> 43 278	<b>9</b> 94 828	<b>13</b> 82 472	<b>17</b> 67 201
<b>2</b> 62 634	<b>6</b> 15 833	<b>10</b> 44 744	<b>14</b> 54 034	<b>18</b> 6846
<b>3</b> 78 360	<b>7</b> 67 023	<b>11</b> 27 042	<b>15</b> 72 305	
<b>4</b> 14 576	<b>8</b> 40 134	<b>12</b> 21 977	<b>16</b> 37 547	

### Extension:

- 1) 20560
- 2) 14687
- 3) 37138