



# Tens and Units

## 1.0 100 grid

Materials you need...

- Blank 100 grid
- Colouring pencils
- 0-9 dice
- 00-90 dice

Ask each child to fill in 1-10 along the top and the tens along the right hand side. They can then pick one extra number to fill in for each line.

Take it in turns to roll the dice. Add the numbers and find its correct position in the grid. Write the number and colour the square. First person to get 3 in a row wins.

## 2.0 Domino TU

Materials needed...

- TU Grid
- Dominoes

Mix up the dominoes face down. Each pick one domino. Look at the value on each of the sides of the domino. One side is going to represent tens, the other units. You would like to make the biggest number possible.

Use the TU Grid to record your value. Biggest number wins.



### **3.0 Biggest wins**

Materials you need...

- 0-9 cards x4
- Base 10 blocks

Print out and shuffle the 0-9 cards. Pick two cards each and make 2 two digits numbers. Plot both on a number line and make using the base 10 blocks. Which is your biggest number?

Who had the biggest number?

### **4.0 TU Card Flip**

Materials you need...

- 0-9 cards
- Base ten blocks

Shuffle the cards and leave in a pile. Each person takes two cards turning them over one at a time to reveal a number.

You could represent the numbers using base ten blocks.

Biggest number wins.

### **5.0 Race to find the number**

Materials you need...



- Blank 100 square (with just a few numbers on show)

Shout a two digit number and see who can plot it the quickest in the correct place.

## 6.0 The 100 Square

Materials you need...

- Squared paper
- Pens
- Scissors
- 2 x 0-9 dice
- Base 10 blocks
- Coloured pencils

Cut a long strip of squared paper and ask them to write 1 to 100, one number per square (or two squares if you think one square will be too small).

Once they have created their number track ask them to cut after every ten. They can then stick each ten strip one under the other to create a 100 square.

## 7.0 Three in a row

Materials you need...

- 100 square
- 0-9 dice x2



Take turns to throw the two dice and create a two digit number. They may have a choice of two different two digit numbers. They can compare their choices using base ten blocks. They need to choose one of the numbers to colour their square in.

First person to get 3 in a row (vertical, horizontal or diagonal) wins.

## **8.0 Number track game**

Materials you need...

- 1-100 track
- Colouring pencils

Pick a number and describe its location. It is in between 55 and 68 (they need to shade out numbers less than 55 and greater than 68). It is less than/greater than.

Winner is first to tell you the number they think you are thinking of.

## **9.0 Find my Number**

Materials you need...

- 1-100 number cards
- Timer

The timer is set for a minute. The first player picks a number card and describe its location to the other player, who tries to find it. If they successfully locate it another card is picked and the number's location is described. They see how many numbers they can successfully find.



Players switch over.

## **10.0 The Estimation Game**

Materials you need...

- Glass nuggets / counters
- Tea towel
- Pencil and paper

Place some of the glass nuggets on the table and cover with a tea towel. Allow everyone to see the glass nuggets for a few seconds and then cover back over. Ask everyone to estimate how many they saw.

Check by counting into lines of 10 with gaps between each group of 10.

The winner is the player whose guess is the closest to the actual amount.

All counters are returned and the above is repeated.






T

U



1	2
3	4
5	6
7	8
9	0

**1-100 table – cut and stick together to make a number track**





<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
<b>51</b>	<b>52</b>	<b>53</b>	<b>54</b>	<b>55</b>	<b>56</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>
<b>61</b>	<b>62</b>	<b>63</b>	<b>64</b>	<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>
<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>	<b>76</b>	<b>77</b>	<b>78</b>	<b>79</b>	<b>80</b>
<b>81</b>	<b>82</b>	<b>83</b>	<b>84</b>	<b>85</b>	<b>86</b>	<b>87</b>	<b>88</b>	<b>89</b>	<b>90</b>
<b>91</b>	<b>92</b>	<b>93</b>	<b>94</b>	<b>95</b>	<b>96</b>	<b>97</b>	<b>98</b>	<b>99</b>	<b>100</b>



<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>



<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>

<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>
<b>51</b>	<b>52</b>	<b>53</b>	<b>54</b>
<b>61</b>	<b>62</b>	<b>63</b>	<b>64</b>
<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>



<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>
<b>55</b>	<b>56</b>	<b>57</b>	<b>58</b>
<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>
<b>75</b>	<b>76</b>	<b>77</b>	<b>78</b>



<b>9</b>	<b>10</b>	<b>49</b>	<b>50</b>
<b>19</b>	<b>20</b>	<b>59</b>	<b>60</b>
<b>29</b>	<b>30</b>	<b>69</b>	<b>70</b>
<b>39</b>	<b>40</b>	<b>79</b>	<b>80</b>

81	82	83	84
91	92	93	94
85	86	87	88
95	96	97	98



**89**

**90**

**99**

**100**