

# —Target Grids—Questions and Prompts—

## What Are Target Grids?

Target grids are pages of numbers arranged in a grid.

Each grid has been chosen to focus upon a specific aspect of number but they can, of course, be used for whatever purpose you wish.

## Using Target Grids

- 1 During an oral/mental activity a grid can be used to ask either closed or open-ended questions.
- 2 Questions can easily be differentiated to meet the needs of individual children.
- 3 When questions are answered, cells may be covered with blank cards or the answer may be given directly. If the cells are to be covered then the grid could be used for bingo type games.
- 4 If the grids are used for 'bingo' or 'cover-up' activities, it may be a good idea to make sets of coloured number cards from a 'Target Grid' and use these to cover appropriate numbers on a white grid.
- 5 You will notice that a small copy of each grid appears in the corner for reference purpose if the numbers are covered.
- 6 Target Grids may be used as place mats as part of a main activity. When used this way it may be helpful to enlarge them to A3 size for a group to use.

- 7 There questions or prompts below are for the first 8 grids. These are designed to offer some thoughts on the use of the grid. They are not intended to exhaust the possibilities. There is also a blank grid for you to set your own questions.
- 8 As a plenary activity Target Grids offer a good way to both recap on the objectives of a lesson and for children to share results.
- 9 They also provide material for further stimulus or development or give you the opportunity to extend children with a final idea or conclusion.

Grid	Description		Grid	Description																									
1	Number bonds to 10	<table><tr><td>3</td><td>6</td><td>8</td><td>2</td></tr><tr><td>1</td><td>9</td><td>0</td><td>12</td></tr><tr><td>10</td><td>4</td><td>7</td><td>5</td></tr></table>	3	6	8	2	1	9	0	12	10	4	7	5	7	Multiples of three	<table><tr><td>3</td><td>12</td><td>9</td><td>6</td></tr><tr><td>36</td><td>24</td><td>18</td><td>30</td></tr><tr><td>15</td><td>21</td><td>27</td><td>33</td></tr></table>	3	12	9	6	36	24	18	30	15	21	27	33
3	6	8	2																										
1	9	0	12																										
10	4	7	5																										
3	12	9	6																										
36	24	18	30																										
15	21	27	33																										
2	Number bonds to 20	<table><tr><td>9</td><td>12</td><td>14</td><td>7</td></tr><tr><td>6</td><td>8</td><td>15</td><td>11</td></tr><tr><td>20</td><td>5</td><td>4</td><td>2</td></tr></table>	9	12	14	7	6	8	15	11	20	5	4	2	8	Multiples of 5	<table><tr><td>5</td><td>25</td><td>50</td><td>75</td></tr><tr><td>15</td><td>30</td><td>45</td><td>60</td></tr><tr><td>20</td><td>40</td><td>80</td><td>100</td></tr></table>	5	25	50	75	15	30	45	60	20	40	80	100
9	12	14	7																										
6	8	15	11																										
20	5	4	2																										
5	25	50	75																										
15	30	45	60																										
20	40	80	100																										
3	Addition and subtraction of small two-digit numbers	<table><tr><td>12</td><td>6</td><td>8</td><td>4</td></tr><tr><td>13</td><td>5</td><td>9</td><td>15</td></tr><tr><td>11</td><td>14</td><td>7</td><td>16</td></tr></table>	12	6	8	4	13	5	9	15	11	14	7	16	9	Place value	<table><tr><td>10</td><td>7</td><td>200</td><td>50</td></tr><tr><td>60</td><td>30</td><td>80</td><td>1</td></tr><tr><td>3</td><td>9</td><td>20</td><td>100</td></tr></table>	10	7	200	50	60	30	80	1	3	9	20	100
12	6	8	4																										
13	5	9	15																										
11	14	7	16																										
10	7	200	50																										
60	30	80	1																										
3	9	20	100																										
4	Addition and subtraction of small two-digit numbers	<table><tr><td>12</td><td>5</td><td>10</td><td>24</td></tr><tr><td>3</td><td>16</td><td>8</td><td>4</td></tr><tr><td>2</td><td>15</td><td>6</td><td>18</td></tr></table>	12	5	10	24	3	16	8	4	2	15	6	18	10	Place value	<table><tr><td>100</td><td>50</td><td>7</td><td>10</td></tr><tr><td>70</td><td>6</td><td>300</td><td>40</td></tr><tr><td>1</td><td>500</td><td>90</td><td>2</td></tr></table>	100	50	7	10	70	6	300	40	1	500	90	2
12	5	10	24																										
3	16	8	4																										
2	15	6	18																										
100	50	7	10																										
70	6	300	40																										
1	500	90	2																										
5	Multiplication and division of small numbers	<table><tr><td>12</td><td>30</td><td>25</td><td>18</td></tr><tr><td>36</td><td>4</td><td>15</td><td>3</td></tr><tr><td>2</td><td>27</td><td>9</td><td>5</td></tr></table>	12	30	25	18	36	4	15	3	2	27	9	5	11	The first twelve prime numbers	<table><tr><td>17</td><td>29</td><td>3</td><td>13</td></tr><tr><td>31</td><td>37</td><td>41</td><td>7</td></tr><tr><td>5</td><td>11</td><td>19</td><td>23</td></tr></table>	17	29	3	13	31	37	41	7	5	11	19	23
12	30	25	18																										
36	4	15	3																										
2	27	9	5																										
17	29	3	13																										
31	37	41	7																										
5	11	19	23																										
6	Even numbers and multiplication and division of small numbers	<table><tr><td>4</td><td>10</td><td>2</td><td>18</td></tr><tr><td>6</td><td>14</td><td>20</td><td>24</td></tr><tr><td>22</td><td>8</td><td>12</td><td>16</td></tr></table>	4	10	2	18	6	14	20	24	22	8	12	16	12	Complements of 100 including groups of three numbers which sum to 100	<table><tr><td>25</td><td>63</td><td>36</td><td>48</td></tr><tr><td>52</td><td>75</td><td>27</td><td>37</td></tr><tr><td>64</td><td>61</td><td>39</td><td>73</td></tr></table>	25	63	36	48	52	75	27	37	64	61	39	73
4	10	2	18																										
6	14	20	24																										
22	8	12	16																										
25	63	36	48																										
52	75	27	37																										
64	61	39	73																										

—Target Grids—Example Questions—Grid 1—

Two numbers which add to make 10	Two even numbers which add to make 10	Two odd numbers which add to make 10	Two numbers larger than 7
Two more numbers larger than 7	All the numbers smaller than 4	Two numbers with a difference of 4	Three numbers which add to make 10
Three more numbers which add to make 10	Two numbers which add to make 12	Add the three smallest numbers	Three consecutive numbers

—Target Grids—Example Questions—Grid 2—

Two numbers which add to make 20	Two even numbers which add to make 20	Two odd Numbers which add to make 20	Two numbers larger than 10
Two more numbers larger than 10	Two numbers smaller than 7	Two numbers with a difference of 3	Two numbers which add to make 20
Three numbers which add to make 20	Three more numbers which add to make 20	Three numbers which add to make 30	Add the three smallest numbers

—Target Grids—Example Questions—Grid 3—

Three consecutive numbers	Two even numbers which add to make 20	Two odd numbers which add to make 20	Two numbers which add to make 30
Two numbers with a difference of 3	Two numbers with a difference of 6	Three numbers which add to make 30	The sum of the three smallest numbers
The sum of the two largest two numbers	Four consecutive numbers	Take the smallest number from the largest number	The sum of the two largest two odd numbers

—Target Grids—Example Questions—Grid 4—

Three consecutive numbers	Four consecutive numbers	Two numbers which add to make 20	Two numbers which add to make 30
Two numbers with a difference of 10	Two numbers with a difference of 3	Three numbers which add to make 30	The sum of the three smallest numbers
The sum of the two largest two numbers	Take the smallest number from the largest number	Two numbers whose sum is on the grid	The column with the largest sum

—Target Grids—Example Questions—Grid 5—

Two numbers with a product of 12	Multiples of 3	Multiples of 4	Multiples of both 3 and 4
Some factors of 30	The product of the three smallest numbers	Some square numbers	Two numbers with a product of 100
Factors of 36 which are larger than 6	A number which is double a square number	A number which is half a square number	Three consecutive even numbers

—Target Grids—Example Questions—Grid 6—

Two numbers with a product of 12	Multiples of 3	Multiples of 4	Multiples of both 3 and 4
Some factors of 48	The product of the three smallest numbers	Some square numbers	Multiply together the three smallest numbers
Factors of 60	A number which is double a square number	A number which is half a square number	Three consecutive even numbers

—Target Grids—Example Questions—Grid 7—

Multiples of 9	Multiples of 6	The next multiple of 3	Factors of 36
Two numbers whose product is 72	Two numbers whose product is close to 100	A square number	The column with the smallest sum
Numbers with a difference of 6	Pairs of numbers whose sum is 24	Pairs of numbers whose sum is 39	Numbers which sum to a square number



—Target Grids—Example Questions—Grid 8—

Multiples of 10	Multiples of 20	The next multiple of 5	Factors of 60
Two numbers whose product is 200	Numbers whose sum is 100	Square numbers	Three numbers whose sum is 100
Numbers with a difference of 30	Pairs of numbers whose product is 1000	Three consecutive multiples of 5	Two numbers whose sum is five cubed

—Target Grids————Example Questions———
