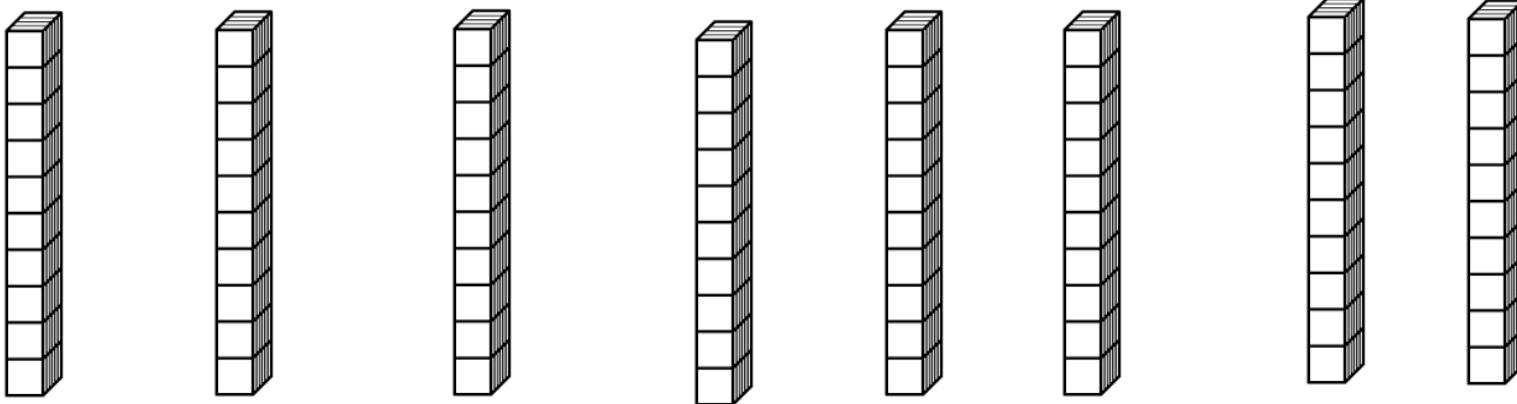
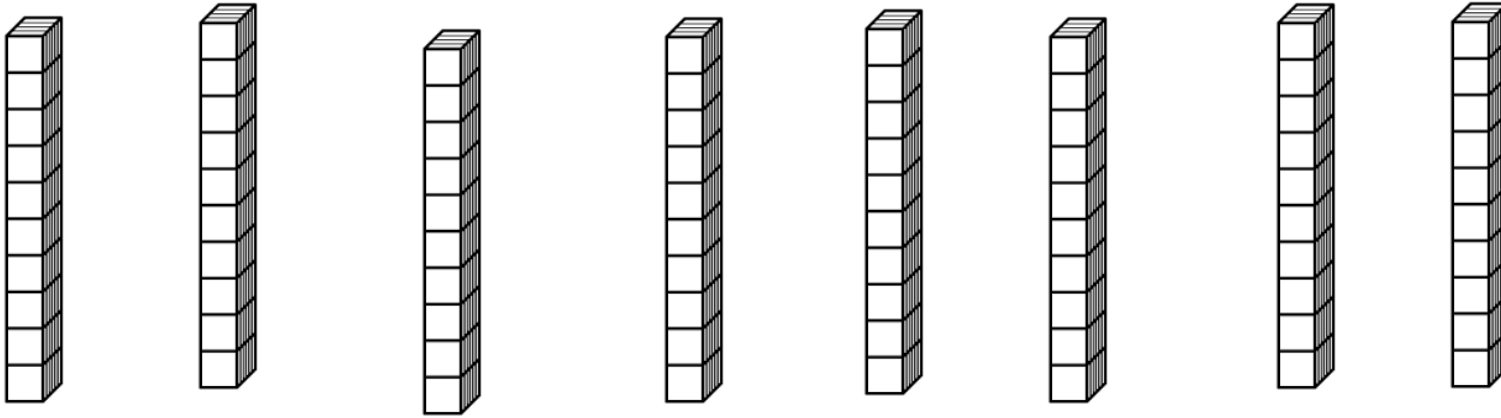


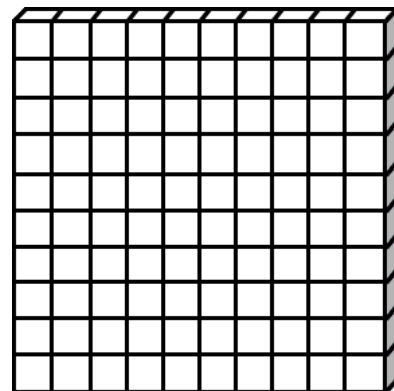
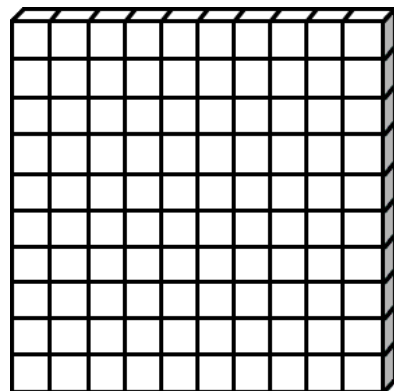
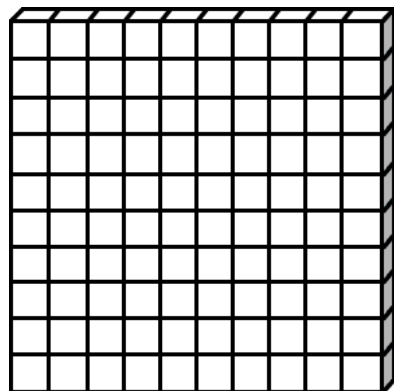
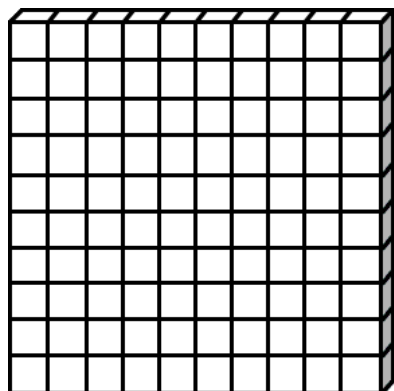
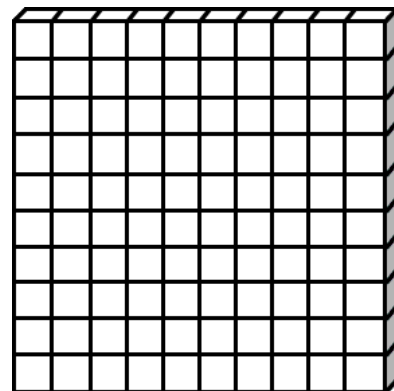
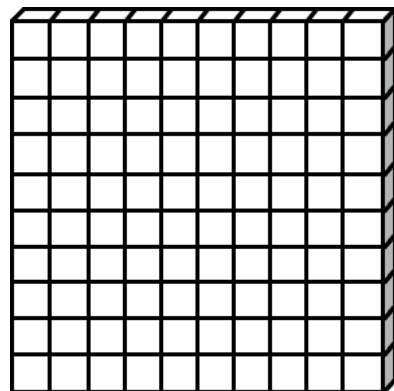
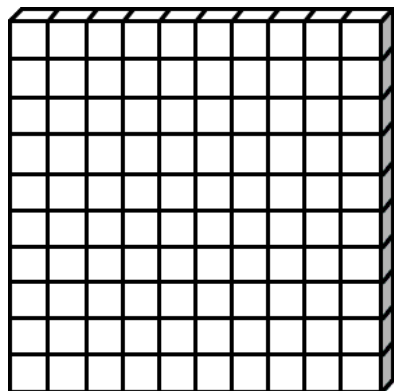
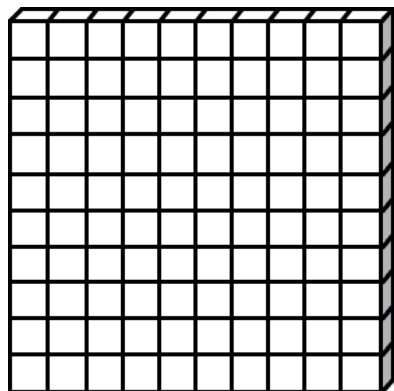
**Block-pictures: ones**



## Block pictures: tens



## Block Pictures 100s



## Dice Games

### Simple addition

Each player takes turns to roll 2 dice.

They add the total of the 2.

The winner of each round gets a tick in the box.

At the end of 5 rounds, add up the number of ticks and see who has the most.

The one with the most ticks is the winner.

$2 + 2 = 4$	✓

### Simple subtraction

The same as simple addition, but instead of adding, take the lowest number from the highest.

Whoever gets the lowest score for each round wins that round.

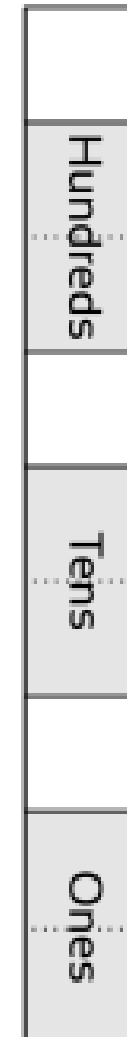
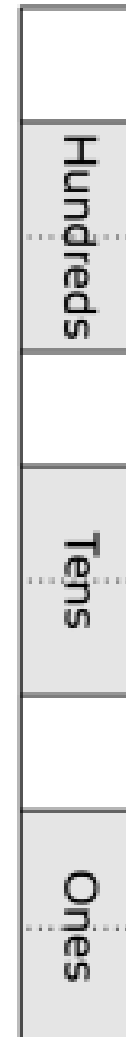
$6 - 3 = 3$	✓

### Running total addition

Who gets the highest score after 3 rounds? (or more)

$5 + 6 = 11$	11
$3 + 5 = 8$	19
$4 + 5 = 9$	28

# Expanders



<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>

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

Times Table Grid

X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144



### **Solving Problems Year 3 Set A**

1. When cooking cassava, you need 6 cups of water for every cup of cassava. If you cooked 4 cups of cassava, how many cups of water do you need?
2. I think of a number, then subtract 17. The answer is 42. What was my number?
3. A spider has eight legs. How many legs have 9 spiders? How many do 16 spiders have?
4. Stefan has 42 toy cars. James has half as many. How many cars has James?
5. There are six eggs in a box. How many eggs in 8 boxes?
6. Mere wrote eight words on every line. How many words did she write on 12 lines?
7. Emily had two 20c coins, three 50c coins and \$1. How much money did she have?
8. Litia bought 8 chocolate bars at 25c each. How much did they all cost?
9. Peter scored 3 goals in the first half and five in the second half. How many goals did he score altogether?
10. Alex bought an ice-cream for \$1.20 and a chocolate bar for 25 c. How much did it cost altogether?
11. Jeremiah travelled 172 kilometres by bus and then 22 kilometres by car. How far did he travel altogether?
12. Red team had 104 house points and Blue team had 79. How many more points did Red team have?

### **Problem solving Year 3 Set B**

1. You get 65 cents change from \$2. How much has been spent?
2. Write 1700g. to the nearest kg.
3. Divide \$3 by 6.
4. Take 6 plus 5 from the total of 8 and 17.
5. How many seconds in a) half a minute? b)  $1\frac{1}{4}$  minutes?
6. Find the sum of the odd numbers between 56 and 60.
7. Find the cost of  $2\frac{1}{2}$  kg at 25 cents per kg.
8. What must be added to 5 plus 80 to equal 5 multiplied by 80?
9. If 2 litres of juice cost \$2.20, find the cost of half a litre.
10. Find one sixth of 84.