

# HAND'S ON MATH PACK

Addition

Subtraction

Fraction

Division

Multiplication

Time



	1	2	3	4	5	6	7	8	9	10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

1	2	3	4	5	6	7	8	9	10
2	4	6	8	10	12	14	16	18	20
3	6	9	12	15	18	21	24	27	30
4	8	12	16	20	24	28	32	36	40
5	10	15	20	25	30	35	40	45	50
6	12	18	24	30	36	42	48	54	60
7	14	21	28	35	42	49	56	63	70
8	16	24	32	40	48	56	64	72	80
9	18	27	36	45	54	63	72	81	90
10	20	30	40	50	60	70	80	90	100

# Multiplication Tables

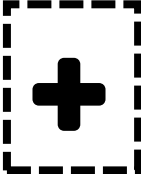


<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>31</b>	<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>

# HUNDREDS CHART

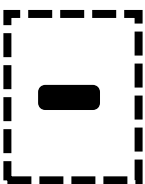
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3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18
10	11	12	13	14	15	16	17	18	19
11	12	13	14	15	16	17	18	19	20

# ADDITION



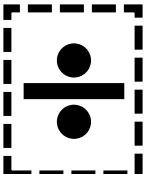
0	-1	-2	-3	-4	-5	-6	-7	-8	-9
1	0	-1	-2	-3	-4	-5	-6	-7	-8
2	1	0	-1	-2	-3	-4	-5	-6	-7
3	2	1	0	-1	-2	-3	-4	-5	-6
4	3	2	1	0	-1	-2	-3	-4	-5
5	4	3	2	1	0	-1	-2	-3	-4
6	5	4	3	2	1	0	-1	-2	-3
7	6	5	4	3	2	1	0	-1	-2
8	7	6	5	4	3	2	1	0	-1
9	8	7	6	5	4	3	2	1	0

# SUBtraction



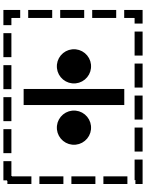
<b>1</b>	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{4}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{7}$	$\frac{1}{8}$	$\frac{1}{9}$	$\frac{1}{10}$
<b>2</b>	<b>1</b>	$\frac{2}{3}$	$\frac{1}{2}$	$\frac{2}{5}$	$\frac{1}{3}$	$\frac{2}{7}$	$\frac{1}{4}$	$\frac{2}{9}$	$\frac{1}{5}$
<b>3</b>	$1\frac{1}{2}$	<b>1</b>	$\frac{3}{4}$	$\frac{3}{5}$	$\frac{1}{2}$	$\frac{3}{7}$	$\frac{3}{8}$	$\frac{1}{3}$	$\frac{3}{10}$
<b>4</b>	<b>2</b>	$1\frac{1}{3}$	<b>1</b>	$\frac{4}{5}$	$\frac{2}{3}$	$\frac{4}{7}$	$\frac{1}{2}$	$\frac{4}{9}$	$\frac{2}{5}$
<b>5</b>	$2\frac{1}{2}$	$1\frac{2}{3}$	$1\frac{1}{4}$	<b>1</b>	$\frac{5}{6}$	$\frac{5}{7}$	$\frac{5}{8}$	$\frac{5}{9}$	$\frac{1}{2}$
<b>6</b>	<b>3</b>	<b>2</b>	$1\frac{1}{2}$	$1\frac{1}{5}$	<b>1</b>	$\frac{6}{7}$	$\frac{3}{4}$	$\frac{2}{3}$	$\frac{3}{5}$
<b>7</b>	$3\frac{1}{2}$	$2\frac{1}{3}$	$1\frac{3}{4}$	$1\frac{2}{5}$	$1\frac{1}{6}$	<b>1</b>	$\frac{7}{8}$	$\frac{7}{9}$	$\frac{7}{10}$
<b>8</b>	<b>4</b>	$2\frac{2}{3}$	<b>2</b>	$1\frac{3}{5}$	$1\frac{1}{3}$	$1\frac{1}{7}$	<b>1</b>	$\frac{8}{9}$	$\frac{4}{5}$
<b>9</b>	$4\frac{1}{2}$	<b>3</b>	$2\frac{1}{4}$	$1\frac{4}{5}$	$1\frac{1}{2}$	$1\frac{2}{7}$	$1\frac{1}{8}$	<b>1</b>	$\frac{9}{10}$
<b>10</b>	<b>5</b>	$3\frac{1}{3}$	$2\frac{1}{2}$	<b>2</b>	$1\frac{2}{3}$	$1\frac{3}{8}$	$1\frac{1}{4}$	$1\frac{1}{9}$	<b>1</b>

# Division with Fractions

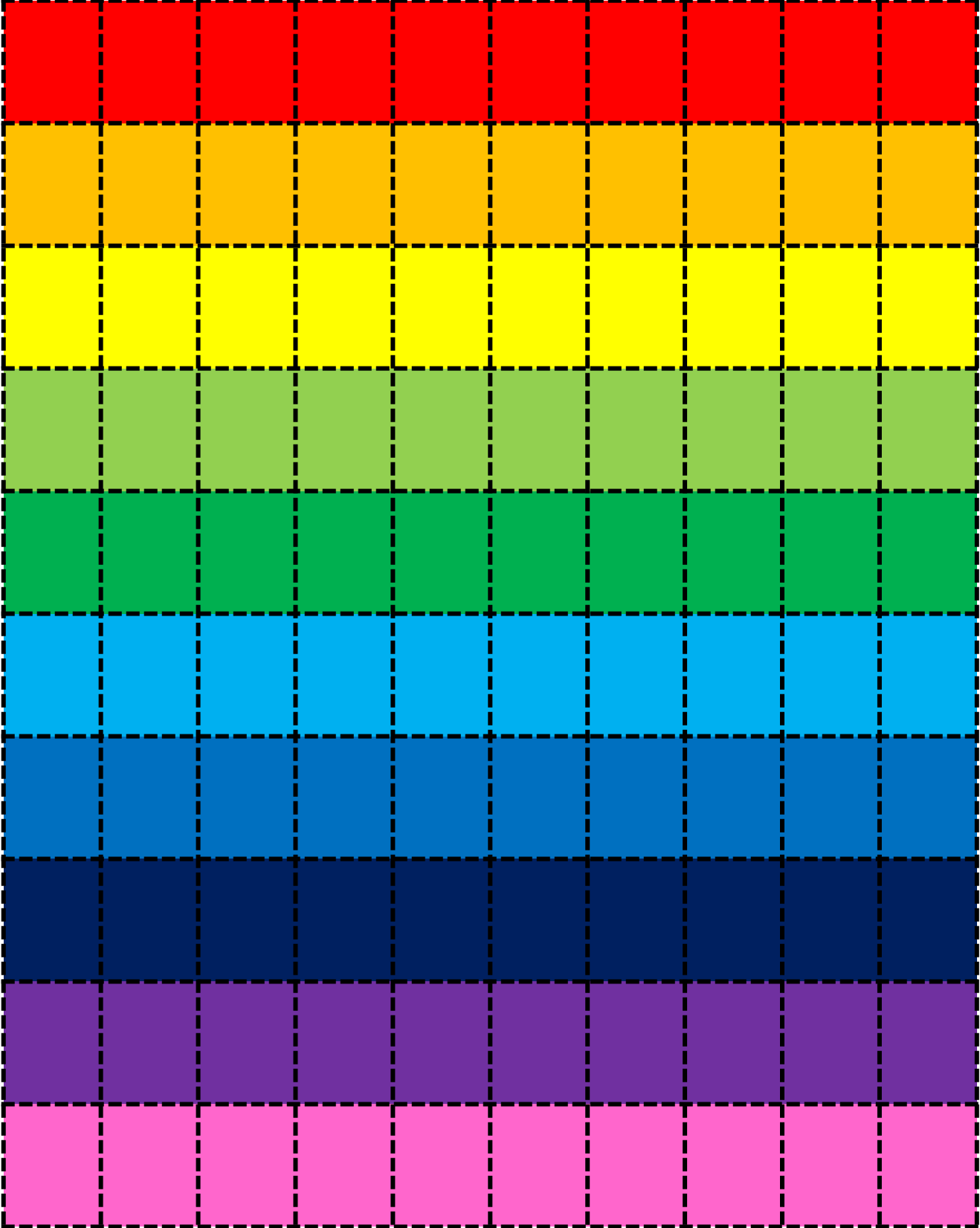


<b>1</b>	<b>.5</b>	<b>.33</b>	<b>.25</b>	<b>.2</b>	<b>.16</b>	<b>.14</b>	<b>.125</b>	<b>.11</b>	<b>.1</b>
<b>2</b>	<b>1</b>	<b>.66</b>	<b>.5</b>	<b>.4</b>	<b>.33</b>	<b>.29</b>	<b>.25</b>	<b>.22</b>	<b>.2</b>
<b>3</b>	<b>1.5</b>	<b>1</b>	<b>.75</b>	<b>.6</b>	<b>.5</b>	<b>.43</b>	<b>.375</b>	<b>.33</b>	<b>.3</b>
<b>4</b>	<b>2</b>	<b>1.33</b>	<b>1</b>	<b>.8</b>	<b>.67</b>	<b>.57</b>	<b>.5</b>	<b>.44</b>	<b>.4</b>
<b>5</b>	<b>2.5</b>	<b>1.67</b>	<b>1.25</b>	<b>1</b>	<b>.83</b>	<b>.71</b>	<b>.625</b>	<b>.55</b>	<b>.5</b>
<b>6</b>	<b>3</b>	<b>2</b>	<b>1.5</b>	<b>1.2</b>	<b>1</b>	<b>.86</b>	<b>.75</b>	<b>.67</b>	<b>.6</b>
<b>7</b>	<b>3.5</b>	<b>2.33</b>	<b>1.75</b>	<b>1.4</b>	<b>1.17</b>	<b>1</b>	<b>.875</b>	<b>.78</b>	<b>.7</b>
<b>8</b>	<b>4</b>	<b>2.67</b>	<b>2</b>	<b>1.6</b>	<b>1.33</b>	<b>1.14</b>	<b>1</b>	<b>.89</b>	<b>.8</b>
<b>9</b>	<b>4.5</b>	<b>3</b>	<b>2.25</b>	<b>1.8</b>	<b>1.5</b>	<b>1.29</b>	<b>1.125</b>	<b>1</b>	<b>.9</b>
<b>10</b>	<b>5</b>	<b>3.33</b>	<b>2.5</b>	<b>2</b>	<b>1.67</b>	<b>1.43</b>	<b>1.25</b>	<b>1.11</b>	<b>1</b>

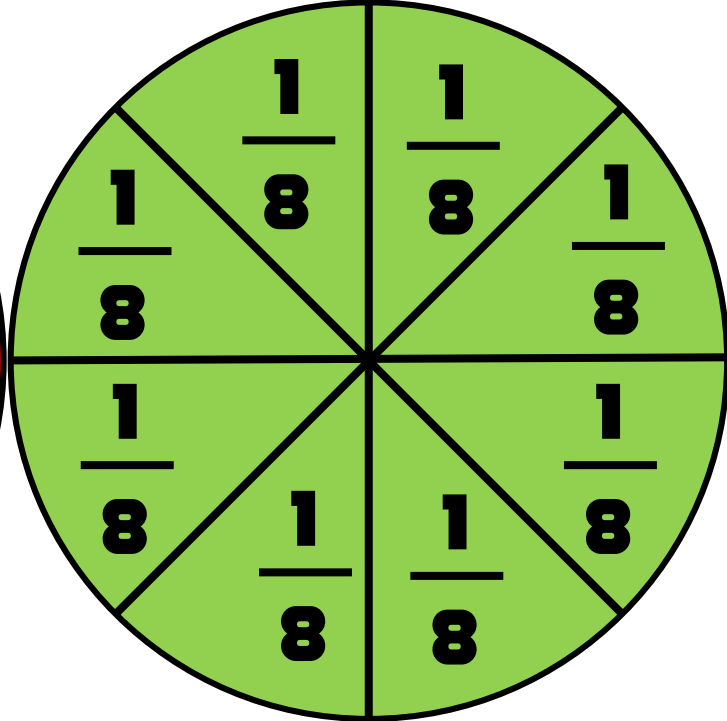
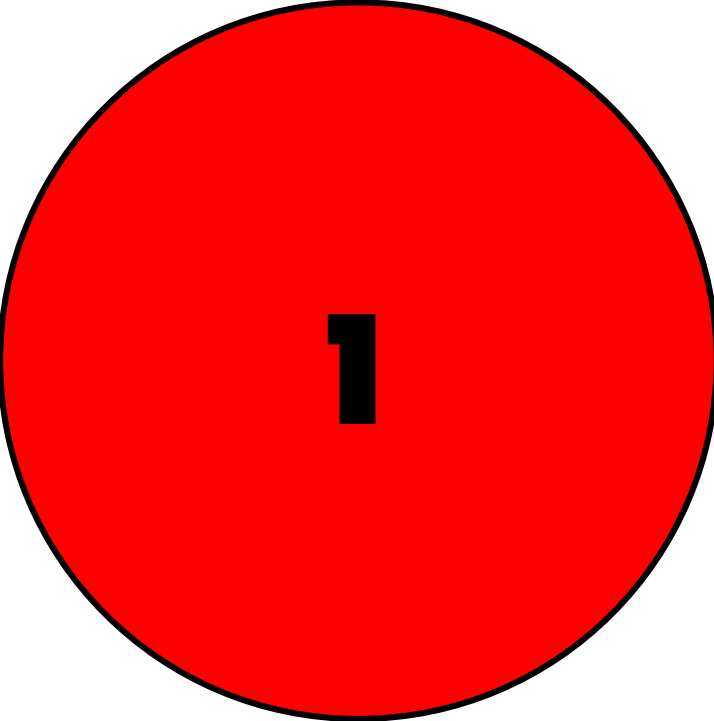
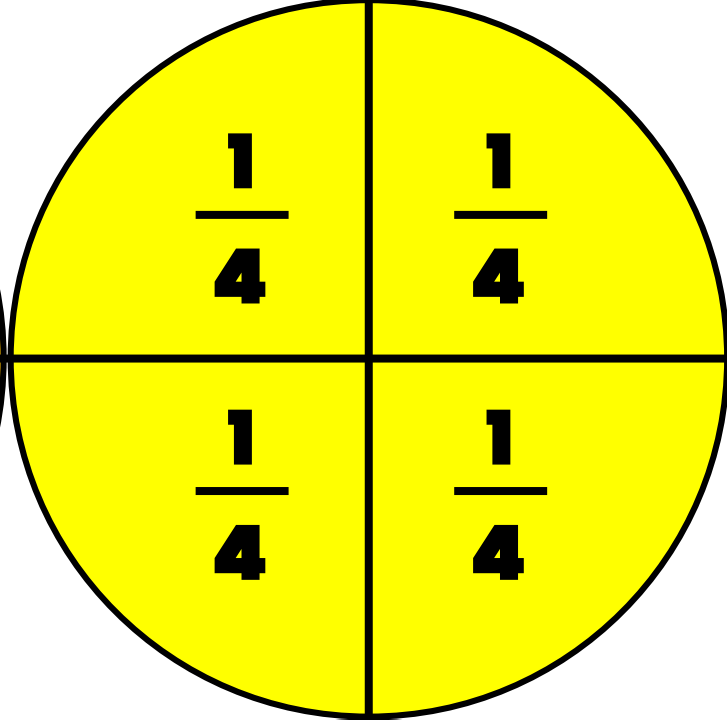
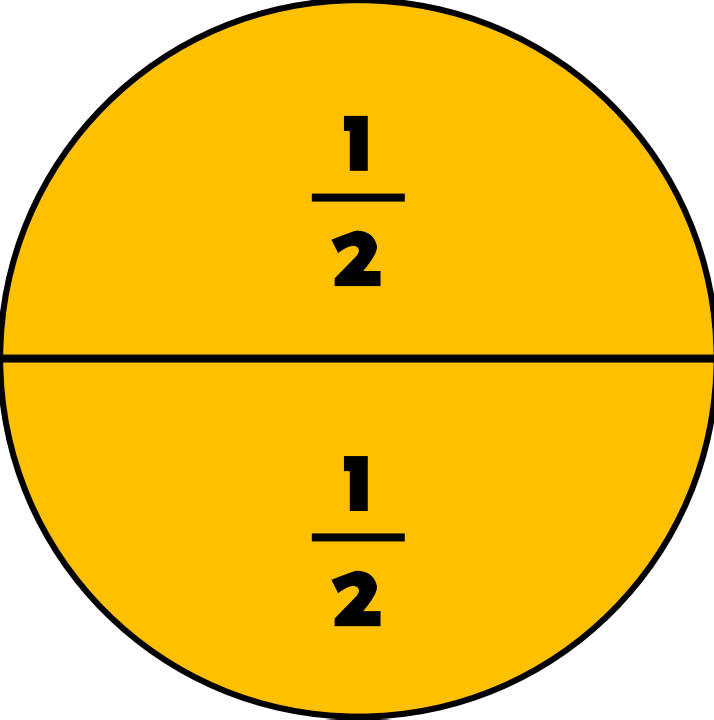
# Division with Decimals

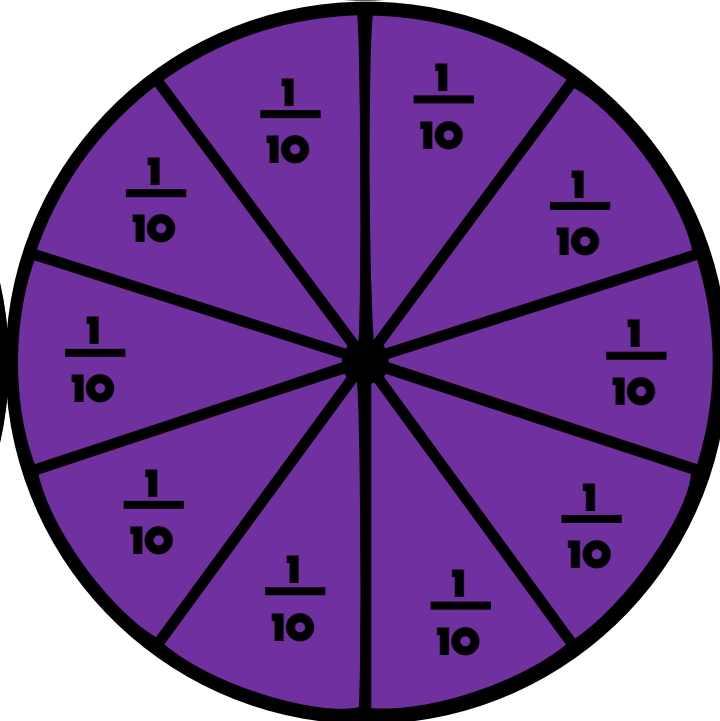
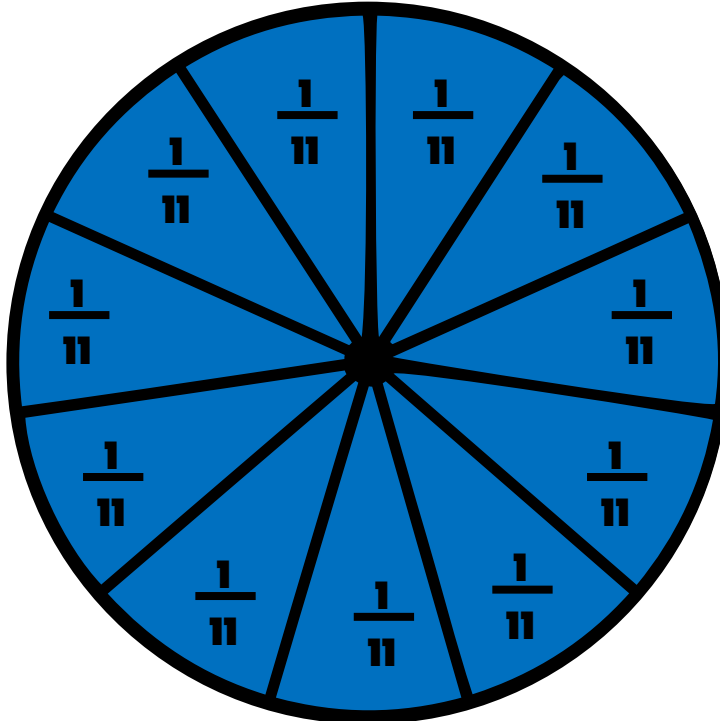
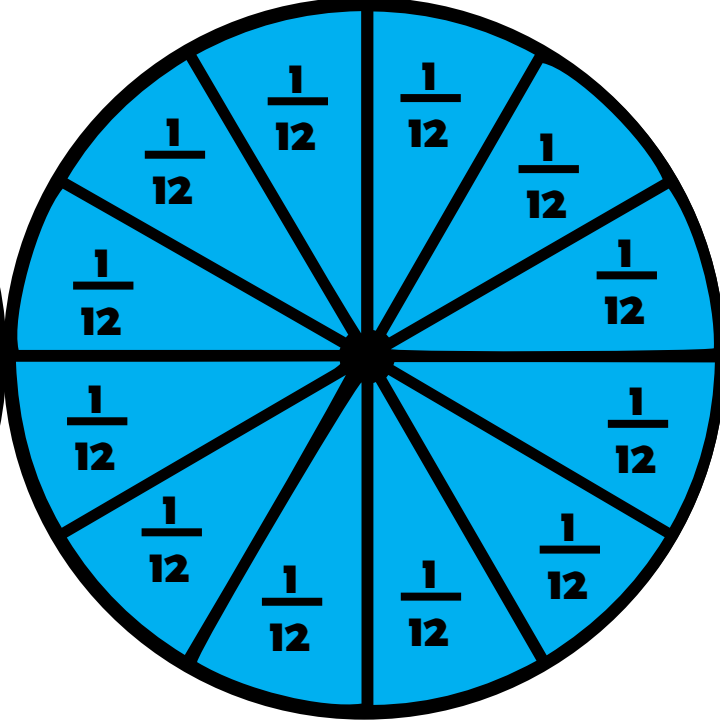
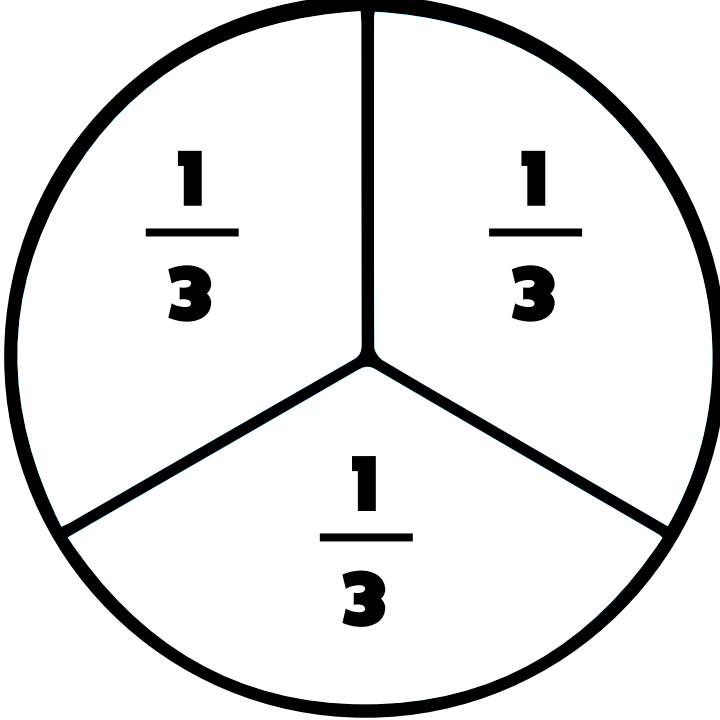


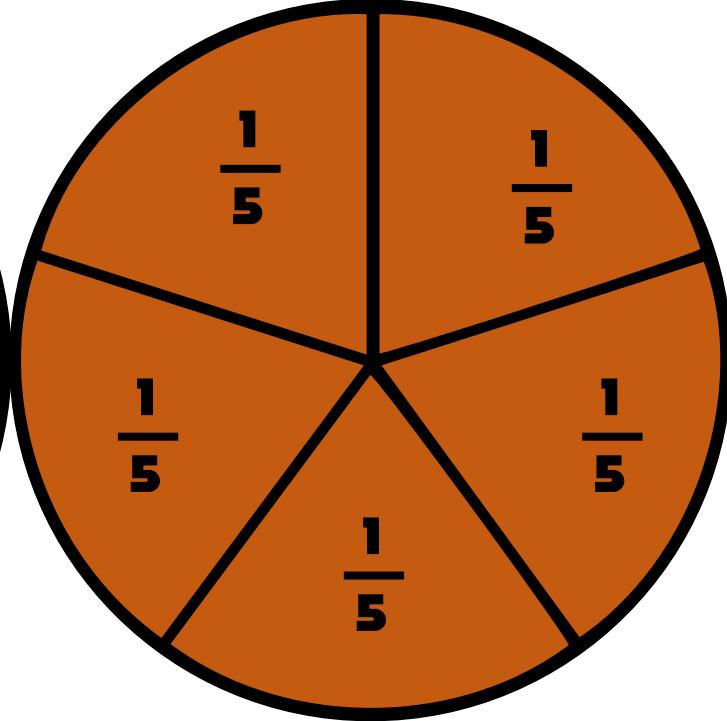
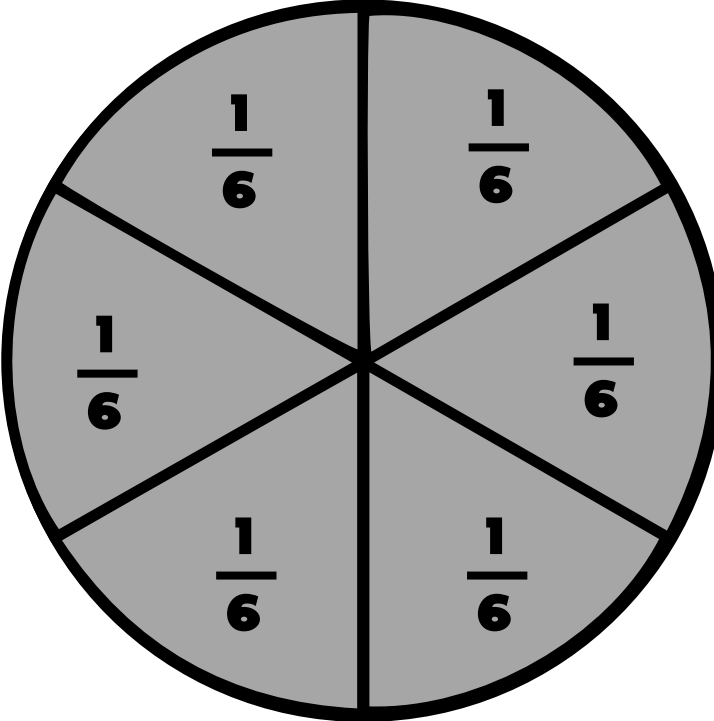
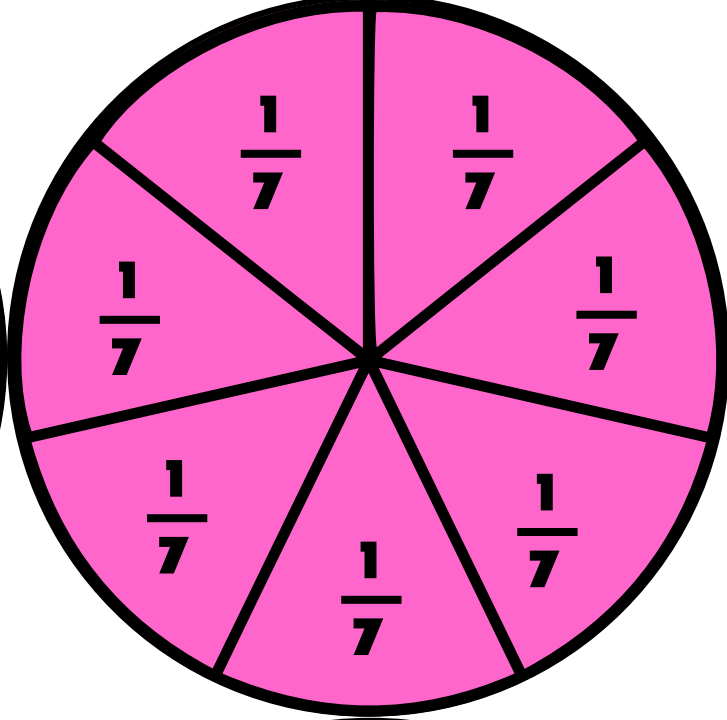
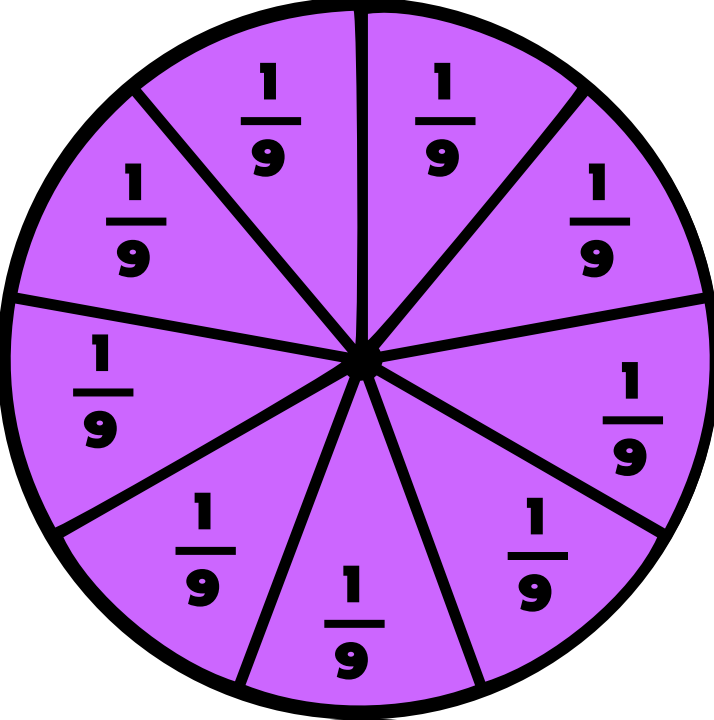




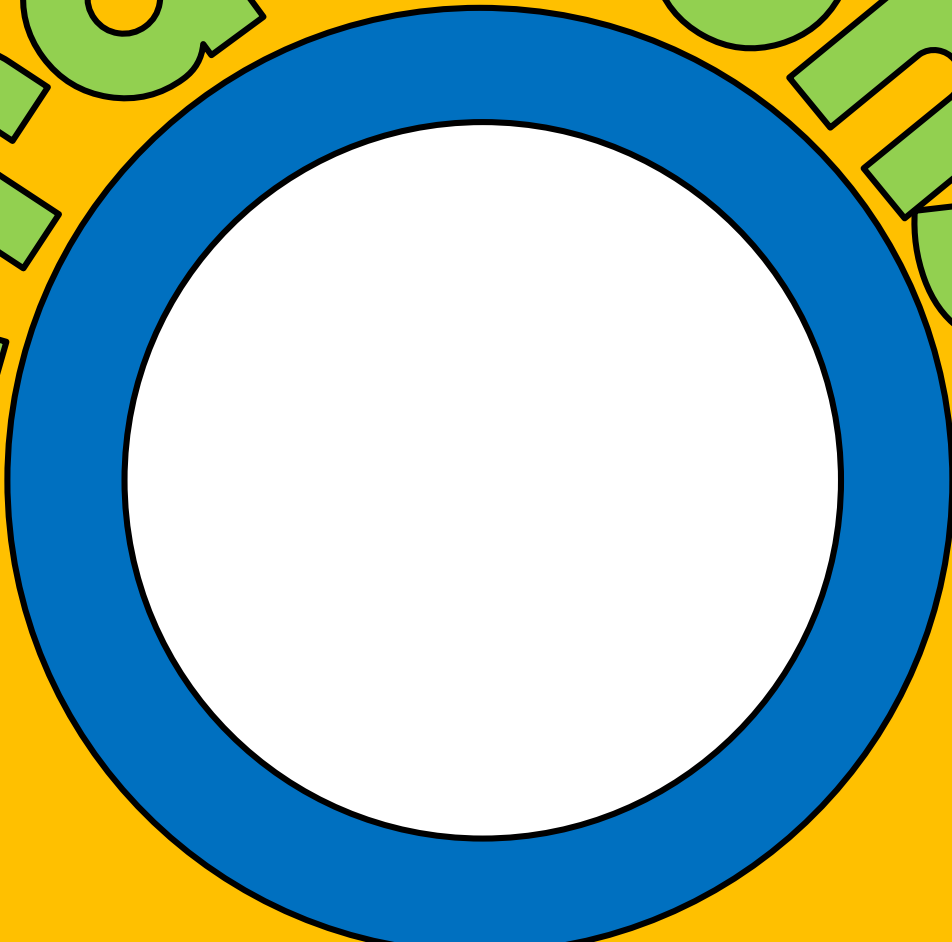
# counting and pattern blocks







# Fractions



# 1 WHOLE

$$\frac{1}{2}$$

$$\frac{1}{2}$$

$$\frac{1}{3}$$

$$\frac{1}{3}$$

$$\frac{1}{3}$$

$$\frac{1}{4}$$

$$\frac{1}{4}$$

$$\frac{1}{4}$$

$$\frac{1}{4}$$

$$\frac{1}{5}$$

$$\frac{1}{5}$$

$$\frac{1}{5}$$

$$\frac{1}{5}$$

$$\frac{1}{5}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{6}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{7}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{8}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

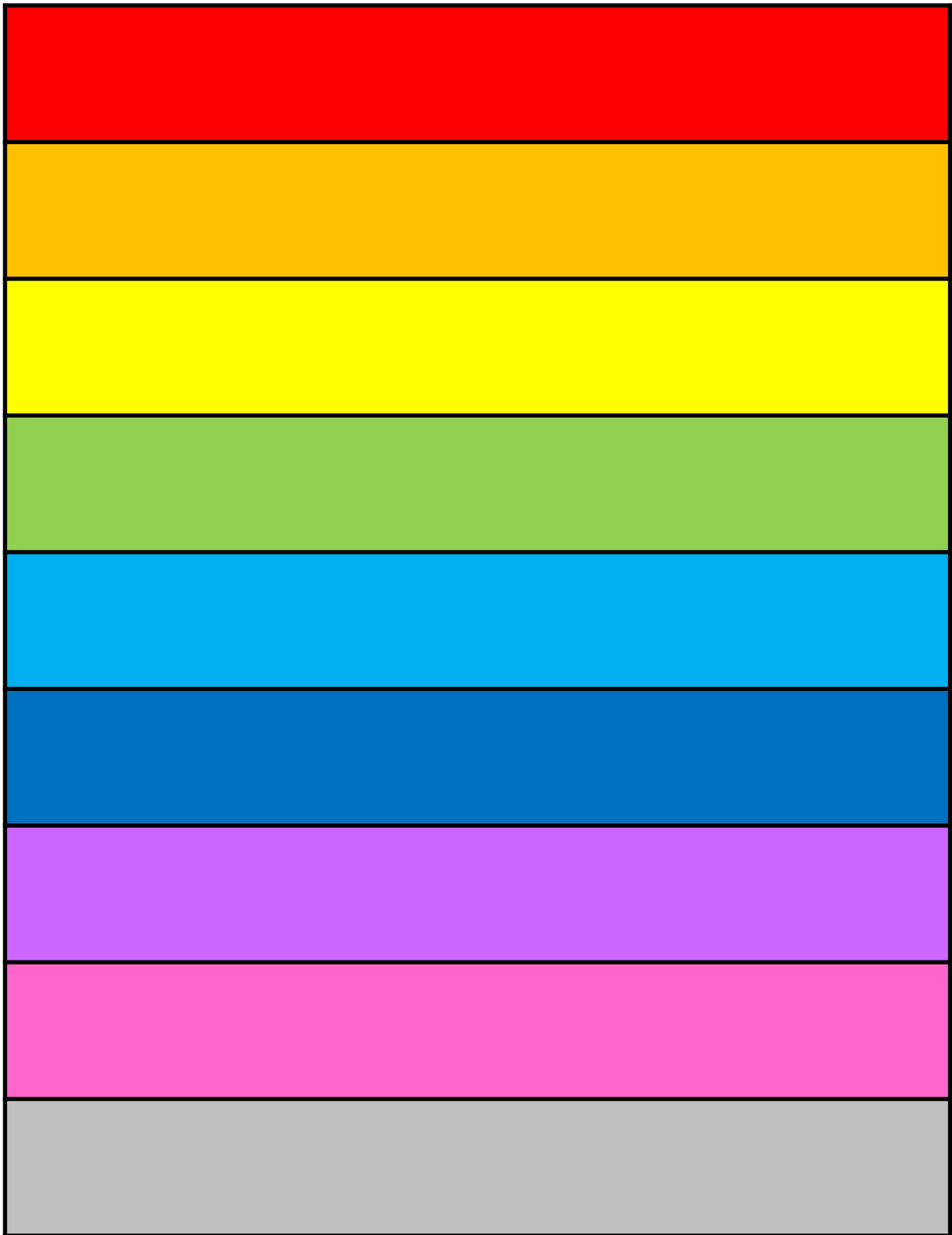
$$\frac{1}{9}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

$$\frac{1}{9}$$

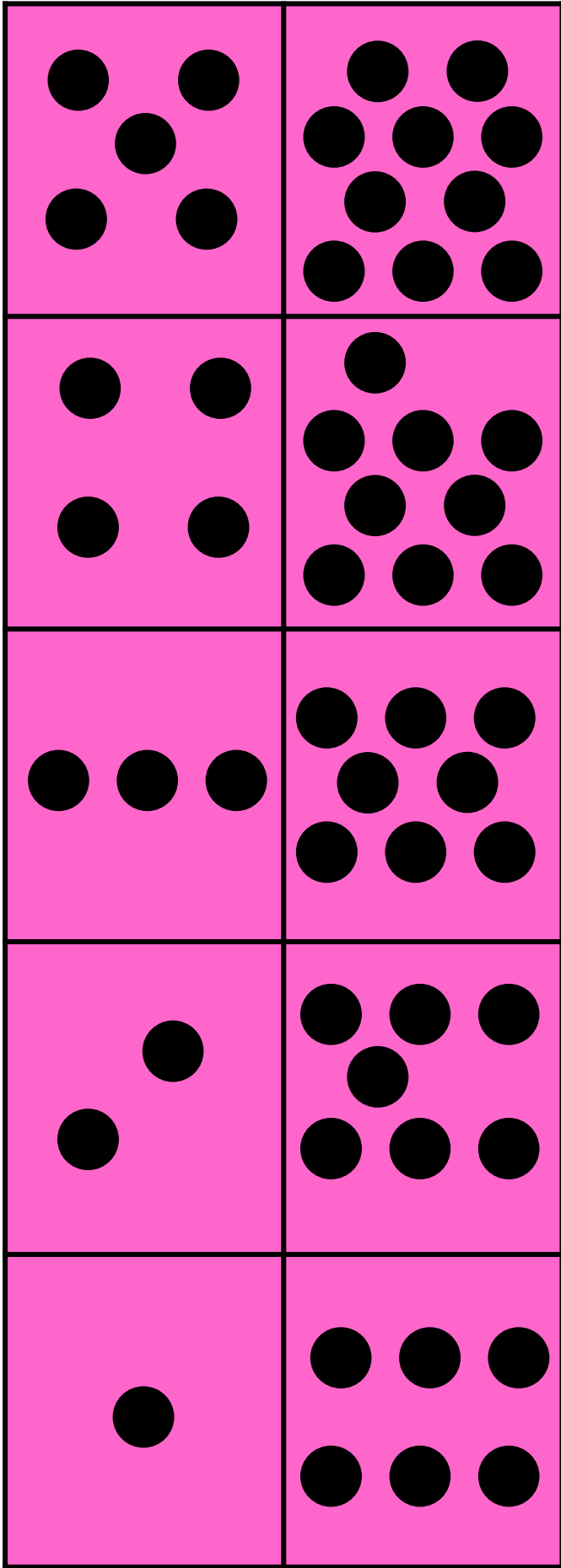


# Fractions

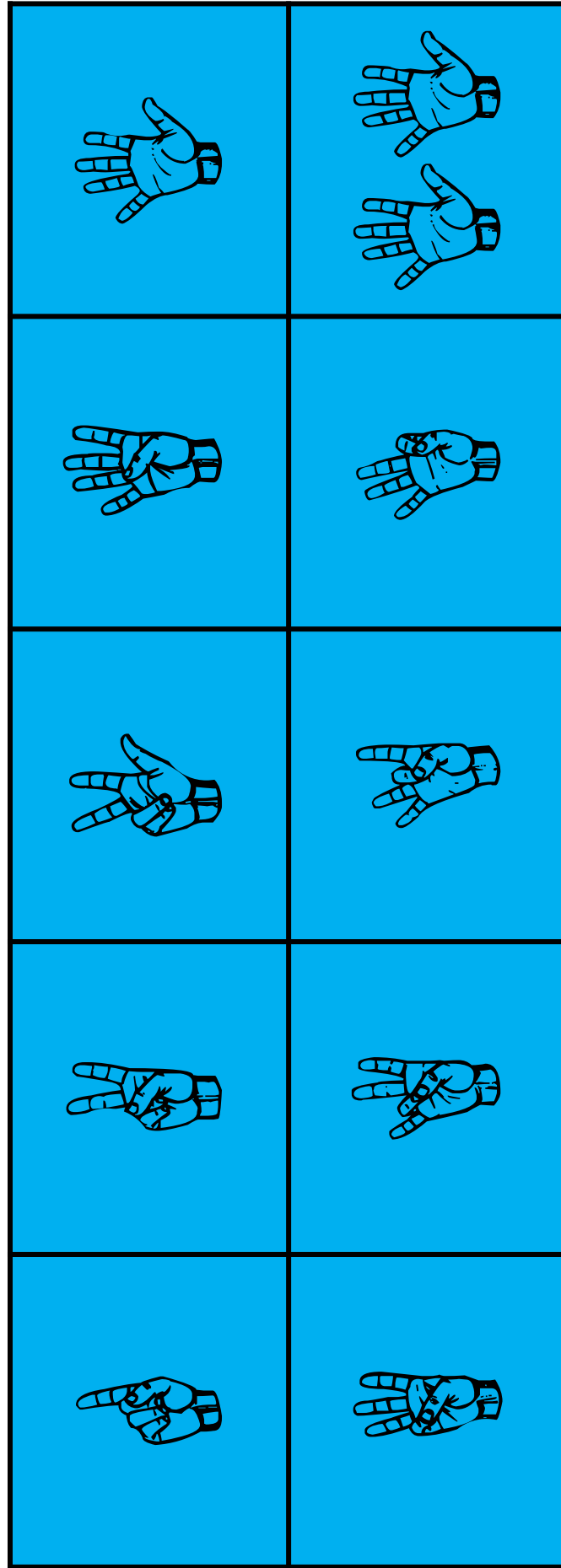

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5	10
4	9
3	8
2	7
1	6









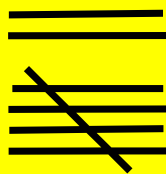
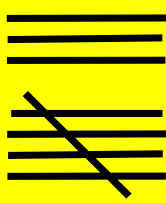
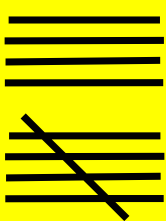
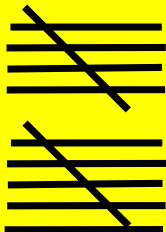


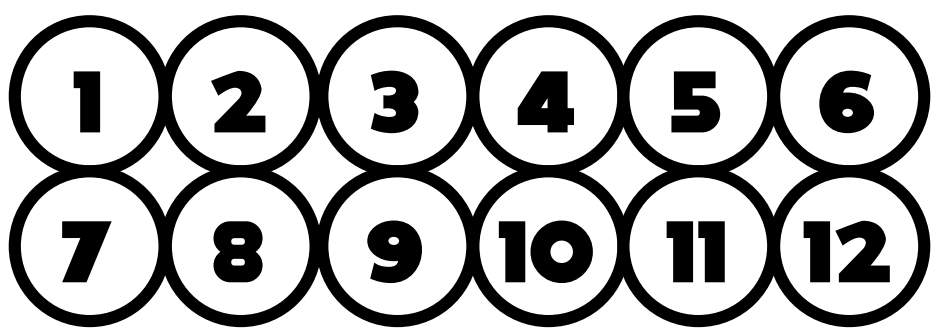
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$0+1$	$1+1$	$2+1$	$2+2$	$3+2$
$3+3$	$4+3$	$4+4$	$5+4$	$5+5$

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**put the numbers on the clock.**

