

23	29	31	37	41	50	50	50	50	50	73	73	73	73	73	79	79
23	29	31	37	41	43	47	48	63	63	8	71	71	71	71	79	79
23	29	31	37	41	43	72	48	63	63	8	42	67	67	67	79	79
23	29	31	37	41	72	72	48	63	63	8	42	42	61	61	61	61
23	29	31	37	72	72	72	88	88	88	8	42	42	59	59	59	59
23	29	31	36	6	6	6	6	18	90	90	90	90	70	53	53	53
23	29	36	36	56	56	56	81	81	81	70	70	70	70	47	47	47
23	80	80	80	80	80	35	35	35	35	35	12	12	12	12	12	47
53	59	59	15	15	2	2	55	55	55	3	3	21	21	41	41	43
53	59	15	15	2	14	14	2	55	3	20	20	3	21	21	41	43
53	59	10	99	2	14	14	2	55	3	20	20	3	84	16	41	43
53	59	10	10	99	2	2	64	64	64	3	3	84	16	16	41	43
53	59	77	10	10	99	99	99	64	84	84	84	25	16	16	41	43
53	28	77	77	10	10	40	40	40	40	40	25	25	16	45	66	43
28	28	9	77	10	4	5	5	5	5	5	30	25	25	45	66	66
28	28	9	77	4	7	7	7	7	7	7	7	30	25	45	66	66
61	67	9	4	11	11	11	11	11	11	11	11	11	30	45	37	37
61	67	9	4	13	13	13	13	13	13	13	13	13	30	45	37	37
61	67	71	49	17	17	17	17	17	17	17	17	17	24	31	31	31
61	67	71	73	49	19	19	19	19	19	19	19	24	29	29	29	29
61	67	71	73	79	49	60	60	60	60	60	24	23	23	23	23	23
61	67	71	73	79	79	32	83	83	83	54	89	89	89	89	89	89
61	67	71	73	79	32	32	83	83	83	54	54	97	97	97	97	97

$4 \times 7 =$ _____ purple

$7 \times 10 =$ _____ black

$10 \times 5 =$ _____ black

$11 \times 8 =$ _____ orange

$9 \times 6 =$ _____ orange

$4 \times 2 =$ _____ black

$3 \times 7 =$ _____ purple

$10 \times 9 =$ _____ orange

$4 \times 6 =$ _____ purple

$3 \times 3 =$ _____ purple

$8 \times 10 =$ _____ black

$5 \times 9 =$ _____ purple

$8 \times 8 =$ _____ orange

$4 \times 9 =$ _____ black

$11 \times 6 =$ _____ purple

$12 \times 5 =$ _____ purple

$4 \times 5 =$ _____ black

$9 \times 11 =$ _____ purple

$8 \times 5 =$ _____ purple

$12 \times 7 =$ _____ purple

$3 \times 2 =$ _____ orange

$2 \times 7 =$ _____ black

$6 \times 7 =$ _____ black

$7 \times 5 =$ _____ black

$7 \times 7 =$ _____ purple

$5 \times 5 =$ _____ purple

$3 \times 4 =$ _____ black

$9 \times 7 =$ _____ black

$4 \times 8 =$ _____ orange

$2 \times 5 =$ _____ purple

$12 \times 6 =$ _____ black

$9 \times 9 =$ _____ orange

$5 \times 11 =$ _____ purple

$4 \times 4 =$ _____ purple

$6 \times 8 =$ _____ black

$7 \times 11 =$ _____ purple

$3 \times 5 =$ _____ purple

$3 \times 6 =$ _____ black

$7 \times 8 =$ _____ black

$6 \times 5 =$ _____ purple

All prime numbers should be white.

$2 \times 2 =$ _____ purple

Multiplication

21 + 7 = _____	purple	56 + 14 = _____	black
15 + 35 = _____	black	42 + 46 = _____	orange
46 + 8 = _____	orange	6 + 2 = _____	black
19 + 2 = _____	purple	73 + 17 = _____	orange
19 + 5 = _____	purple	6 + 3 = _____	purple
47 + 33 = _____	black	26 + 19 = _____	purple
8 + 56 = _____	orange	20 + 16 = _____	black
31 + 35 = _____	purple	22 + 38 = _____	purple
20 + 0 = _____	black	80 + 19 = _____	purple
17 + 23 = _____	purple	80 + 4 = _____	purple
5 + 1 = _____	orange	11 + 3 = _____	black
41 + 1 = _____	black	18 + 17 = _____	black
28 + 21 = _____	purple	20 + 5 = _____	purple
8 + 4 = _____	black	42 + 21 = _____	black
26 + 6 = _____	orange	9 + 1 = _____	purple
14 + 58 = _____	black	16 + 65 = _____	orange
36 + 19 = _____	purple	11 + 5 = _____	purple
47 + 1 = _____	black	60 + 17 = _____	purple
7 + 8 = _____	purple	16 + 2 = _____	black
29 + 27 = _____	black		
23 + 7 = _____	purple		
4 + 0 = _____	purple		

All other numbers should be white.

Addition

264 - 236 = _____	purple	243 - 173 = _____	black
123 - 73 = _____	black	163 - 75 = _____	orange
289 - 235 = _____	orange	59 - 51 = _____	black
106 - 85 = _____	purple	277 - 187 = _____	orange
102 - 78 = _____	purple	77 - 68 = _____	purple
91 - 11 = _____	black	158 - 113 = _____	purple
279 - 215 = _____	orange	252 - 216 = _____	black
80 - 14 = _____	purple	142 - 82 = _____	purple
252 - 232 = _____	black	177 - 78 = _____	purple
225 - 185 = _____	purple	151 - 67 = _____	purple
88 - 82 = _____	orange	247 - 233 = _____	black
126 - 84 = _____	black	210 - 175 = _____	black
144 - 95 = _____	purple	46 - 21 = _____	purple
131 - 119 = _____	black	118 - 55 = _____	black
79 - 47 = _____	orange	157 - 147 = _____	purple
147 - 75 = _____	black	226 - 145 = _____	orange
129 - 74 = _____	purple	62 - 46 = _____	purple
164 - 116 = _____	black	184 - 107 = _____	purple
204 - 189 = _____	purple	194 - 176 = _____	black
254 - 198 = _____	black		
283 - 253 = _____	purple	All other numbers should be white.	
237 - 233 = _____	purple		

Subtraction

<u>28</u>	purple
<u>50</u>	black
<u>54</u>	orange
<u>21</u>	purple
<u>24</u>	purple
<u>80</u>	black
<u>64</u>	orange
<u>66</u>	purple
<u>20</u>	black
<u>40</u>	purple
<u>6</u>	orange
<u>42</u>	black
<u>49</u>	purple
<u>12</u>	black
<u>32</u>	orange
<u>72</u>	black
<u>55</u>	purple
<u>48</u>	black
<u>15</u>	purple
<u>56</u>	black
<u>30</u>	purple
<u>4</u>	purple

<u>70</u>	black
<u>88</u>	orange
<u>8</u>	black
<u>90</u>	orange
<u>9</u>	purple
<u>45</u>	purple
<u>36</u>	black
<u>60</u>	purple
<u>99</u>	purple
<u>84</u>	purple
<u>14</u>	black
<u>35</u>	black
<u>25</u>	purple
<u>63</u>	black
<u>10</u>	purple
<u>81</u>	orange
<u>16</u>	purple
<u>77</u>	purple
<u>18</u>	black

All other numbers should be white.

Color By Number

196 ÷ 7 = _____	purple	840 ÷ 12 = _____	black
500 ÷ 10 = _____	black	1056 ÷ 12 = _____	orange
270 ÷ 5 = _____	orange	40 ÷ 5 = _____	black
252 ÷ 12 = _____	purple	630 ÷ 7 = _____	orange
120 ÷ 5 = _____	purple	18 ÷ 2 = _____	purple
320 ÷ 4 = _____	black	540 ÷ 12 = _____	purple
512 ÷ 8 = _____	orange	180 ÷ 5 = _____	black
330 ÷ 5 = _____	purple	360 ÷ 6 = _____	purple
100 ÷ 5 = _____	black	990 ÷ 10 = _____	purple
160 ÷ 4 = _____	purple	756 ÷ 9 = _____	purple
24 ÷ 4 = _____	orange	98 ÷ 7 = _____	black
378 ÷ 9 = _____	black	385 ÷ 11 = _____	black
539 ÷ 11 = _____	purple	250 ÷ 10 = _____	purple
120 ÷ 10 = _____	black	378 ÷ 6 = _____	black
64 ÷ 2 = _____	orange	50 ÷ 5 = _____	purple
720 ÷ 10 = _____	black	162 ÷ 2 = _____	orange
330 ÷ 6 = _____	purple	80 ÷ 5 = _____	purple
288 ÷ 6 = _____	black	616 ÷ 8 = _____	purple
75 ÷ 5 = _____	purple	180 ÷ 10 = _____	black
672 ÷ 12 = _____	black		
360 ÷ 12 = _____	purple		
32 ÷ 8 = _____	purple		

All other numbers should be white.

Division

$$\begin{array}{r} \underline{\quad} + 19 = 47 \text{ purple} \\ 64 + \underline{\quad} = 114 \text{ black} \\ \underline{\quad} + 56 = 110 \text{ orange} \\ 54 + \underline{\quad} = 75 \text{ purple} \\ \underline{\quad} + 49 = 73 \text{ purple} \\ 36 + \underline{\quad} = 116 \text{ black} \\ \underline{\quad} + 98 = 162 \text{ orange} \\ 50 + \underline{\quad} = 116 \text{ purple} \\ \underline{\quad} + 92 = 112 \text{ black} \\ 17 + \underline{\quad} = 57 \text{ purple} \\ \underline{\quad} + 12 = 18 \text{ orange} \\ 21 + \underline{\quad} = 63 \text{ black} \\ \underline{\quad} + 86 = 135 \text{ purple} \\ 18 + \underline{\quad} = 30 \text{ black} \\ \underline{\quad} + 51 = 83 \text{ orange} \\ 24 + \underline{\quad} = 96 \text{ black} \\ \underline{\quad} + 84 = 139 \text{ purple} \\ 30 + \underline{\quad} = 78 \text{ black} \\ \underline{\quad} + 22 = 37 \text{ purple} \\ 48 + \underline{\quad} = 104 \text{ black} \\ \underline{\quad} + 87 = 117 \text{ purple} \\ 52 + \underline{\quad} = 56 \text{ purple} \end{array}$$

$$\begin{array}{r} \underline{\quad} + 52 = 122 \text{ black} \\ 81 + \underline{\quad} = 169 \text{ orange} \\ \underline{\quad} + 52 = 60 \text{ black} \\ 64 + \underline{\quad} = 154 \text{ orange} \\ \underline{\quad} + 45 = 54 \text{ purple} \\ 93 + \underline{\quad} = 138 \text{ purple} \\ \underline{\quad} + 76 = 112 \text{ black} \\ 52 + \underline{\quad} = 112 \text{ purple} \\ \underline{\quad} + 41 = 140 \text{ purple} \\ 60 + \underline{\quad} = 144 \text{ purple} \\ \underline{\quad} + 47 = 61 \text{ black} \\ 77 + \underline{\quad} = 112 \text{ black} \\ \underline{\quad} + 90 = 115 \text{ purple} \\ 90 + \underline{\quad} = 153 \text{ black} \\ \underline{\quad} + 96 = 106 \text{ purple} \\ 46 + \underline{\quad} = 127 \text{ orange} \\ \underline{\quad} + 80 = 96 \text{ purple} \\ 42 + \underline{\quad} = 119 \text{ purple} \\ \underline{\quad} + 75 = 93 \text{ black} \end{array}$$

All other numbers should be white.

Missing Addends

$$\begin{array}{r} \underline{\quad} - 19 = 9 \text{ purple} \\ 94 - \underline{\quad} = 44 \text{ black} \\ \underline{\quad} - 47 = 7 \text{ orange} \\ 24 - \underline{\quad} = 3 \text{ purple} \\ \underline{\quad} - 7 = 17 \text{ purple} \\ 85 - \underline{\quad} = 5 \text{ black} \\ \underline{\quad} - 36 = 28 \text{ orange} \\ 95 - \underline{\quad} = 29 \text{ purple} \\ \underline{\quad} - 12 = 8 \text{ black} \\ 65 - \underline{\quad} = 25 \text{ purple} \\ \underline{\quad} - 3 = 3 \text{ orange} \\ 69 - \underline{\quad} = 27 \text{ black} \\ \underline{\quad} - 7 = 42 \text{ purple} \\ 13 - \underline{\quad} = 1 \text{ black} \\ \underline{\quad} - 16 = 16 \text{ orange} \\ 99 - \underline{\quad} = 27 \text{ black} \\ \underline{\quad} - 5 = 50 \text{ purple} \\ 85 - \underline{\quad} = 37 \text{ black} \\ \underline{\quad} - 6 = 9 \text{ purple} \\ 67 - \underline{\quad} = 11 \text{ black} \\ \underline{\quad} - 22 = 8 \text{ purple} \\ 76 - \underline{\quad} = 72 \text{ purple} \end{array}$$

$$\begin{array}{r} \underline{\quad} - 24 = 46 \text{ black} \\ 88 - \underline{\quad} = 0 \text{ orange} \\ \underline{\quad} - 2 = 6 \text{ black} \\ 91 - \underline{\quad} = 1 \text{ orange} \\ \underline{\quad} - 7 = 2 \text{ purple} \\ 86 - \underline{\quad} = 41 \text{ purple} \\ \underline{\quad} - 8 = 28 \text{ black} \\ 66 - \underline{\quad} = 6 \text{ purple} \\ \underline{\quad} - 88 = 11 \text{ purple} \\ 99 - \underline{\quad} = 15 \text{ purple} \\ \underline{\quad} - 3 = 11 \text{ black} \\ 96 - \underline{\quad} = 61 \text{ black} \\ \underline{\quad} - 10 = 15 \text{ purple} \\ 69 - \underline{\quad} = 6 \text{ black} \\ \underline{\quad} - 6 = 4 \text{ purple} \\ 87 - \underline{\quad} = 6 \text{ orange} \\ \underline{\quad} - 13 = 3 \text{ purple} \\ 93 - \underline{\quad} = 16 \text{ purple} \\ \underline{\quad} - 15 = 3 \text{ black} \end{array}$$

All other numbers should be white.

Missing Subtrahends & Minuends

$4 \times 7 = \underline{28}$ purple

$7 \times 10 = \underline{70}$ black

$10 \times 5 = \underline{50}$ black

$11 \times 8 = \underline{88}$ orange

$9 \times 6 = \underline{54}$ orange

$4 \times 2 = \underline{8}$ black

$3 \times 7 = \underline{21}$ purple

$10 \times 9 = \underline{90}$ orange

$4 \times 6 = \underline{24}$ purple

$3 \times 3 = \underline{9}$ purple

$8 \times 10 = \underline{80}$ black

$5 \times 9 = \underline{45}$ purple

$8 \times 8 = \underline{64}$ orange

$4 \times 9 = \underline{36}$ black

$11 \times 6 = \underline{66}$ purple

$12 \times 5 = \underline{60}$ purple

$4 \times 5 = \underline{20}$ black

$9 \times 11 = \underline{99}$ purple

$8 \times 5 = \underline{40}$ purple

$12 \times 7 = \underline{84}$ purple

$3 \times 2 = \underline{6}$ orange

$2 \times 7 = \underline{14}$ black

$6 \times 7 = \underline{42}$ black

$7 \times 5 = \underline{35}$ black

$7 \times 7 = \underline{49}$ purple

$5 \times 5 = \underline{25}$ purple

$3 \times 4 = \underline{12}$ black

$9 \times 7 = \underline{63}$ black

$4 \times 8 = \underline{32}$ orange

$2 \times 5 = \underline{10}$ purple

$12 \times 6 = \underline{72}$ black

$9 \times 9 = \underline{81}$ orange

$5 \times 11 = \underline{55}$ purple

$4 \times 4 = \underline{16}$ purple

$6 \times 8 = \underline{48}$ black

$7 \times 11 = \underline{77}$ purple

$3 \times 5 = \underline{15}$ purple

$3 \times 6 = \underline{18}$ black

$7 \times 8 = \underline{56}$ black

$6 \times 5 = \underline{30}$ purple

All prime numbers should be white.

$2 \times 2 = \underline{4}$ purple

Answer Key for All

23	29	31	37	41	50	50	50	50	50	73	73	73	73	73	79	79
23	29	31	37	41	43	47	48	63	63	8	71	71	71	71	79	79
23	29	31	37	41	43	72	48	63	63	8	42	67	67	67	79	79
23	29	31	37	41	72	72	48	63	63	8	42	42	61	61	61	61
23	29	31	37	72	72	72	88	88	88	8	42	42	59	59	59	59
23	29	31	36	6	6	6	6	18	90	90	90	90	70	53	53	53
23	29	36	36	56	56	56	81	81	81	70	70	70	70	47	47	47
23	80	80	80	80	80	35	35	35	35	35	12	12	12	12	12	47
53	59	59	15	15	2	2	55	55	55	3	3	21	21	41	41	43
53	59	15	15	2	14	14	2	55	3	20	20	3	21	21	41	43
53	59	10	99	2	14	14	2	55	3	20	20	3	84	16	41	43
53	59	10	10	99	2	2	64	64	64	3	3	84	16	16	41	43
53	59	77	10	10	99	99	99	64	84	84	84	25	16	16	41	43
53	28	77	77	10	10	40	40	40	40	40	25	25	16	45	66	43
28	28	9	77	10	4	5	5	5	5	5	30	25	25	45	66	66
28	28	9	77	4	7	7	7	7	7	7	7	30	25	45	66	66
61	67	9	4	11	11	11	11	11	11	11	11	11	30	45	37	37
61	67	9	4	13	13	13	13	13	13	13	13	13	30	45	37	37
61	67	71	49	17	17	17	17	17	17	17	17	17	24	31	31	31
61	67	71	73	49	19	19	19	19	19	19	19	24	29	29	29	29
61	67	71	73	79	49	60	60	60	60	60	24	23	23	23	23	23
61	67	71	73	79	79	32	83	83	83	54	89	89	89	89	89	89
61	67	71	73	79	32	32	83	83	83	54	54	97	97	97	97	97