

**SAMPLE PUZZLE #1**

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

Work all the problems. Then take one problem at a time—the first factor tells how many columns to move toward the right on the grid; the second factor tells how many rows to move upward. Where the row and column intersect, fill in the square with the given color.

- |                       |                        |                       |
|-----------------------|------------------------|-----------------------|
| 6 X ____ = 18 (brown) | 5 X ____ = 20 (blue)   | 8 X ____ = 24 (brown) |
| 2 X ____ = 14 (green) | 9 X ____ = 27 (brown)  | 7 X ____ = 28 (brown) |
| 3 X ____ = 12 (blue)  | 8 X ____ = 32 (brown)  | 4 X ____ = 20 (blue)  |
| 8 X ____ = 40 (brown) | 2 X ____ = 16 (yellow) | 8 X ____ = 16 (black) |
| 5 X ____ = 15 (blue)  | 9 X ____ = 45 (brown)  | 4 X ____ = 16 (blue)  |
| 2 X ____ = 18 (red)   | 5 X ____ = 25 (blue)   | 9 X ____ = 36 (brown) |
| 6 X ____ = 24 (brown) | 3 X ____ = 9 (blue)    | 6 X ____ = 30 (brown) |
| 4 X ____ = 8 (black)  | 7 X ____ = 35 (brown)  | 4 X ____ = 12 (blue)  |
| 7 X ____ = 21 (brown) |                        |                       |

**SAMPLE PUZZLE #2**

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

Work all the problems. Then take one problem at a time—the first factor tells how many columns to move toward the right on the grid; the second factor tells how many rows to move upward. Where the row and column intersect, fill in the square with the given color.

5 X \_\_\_\_ = 20 (yellow)

3 X \_\_\_\_ = 18 (red)

6 X \_\_\_\_ = 30 (yellow)

4 X \_\_\_\_ = 16 (blue)

3 X \_\_\_\_ = 9 (yellow)

4 X \_\_\_\_ = 24 (red)

5 X \_\_\_\_ = 30 (red)

6 X \_\_\_\_ = 36 (red)

5 X \_\_\_\_ = 15 (yellow)

6 X \_\_\_\_ = 42 (red)

7 X \_\_\_\_ = 28 (yellow)

4 X \_\_\_\_ = 12 (blue)

7 X \_\_\_\_ = 21 (yellow)

5 X \_\_\_\_ = 35 (red)

6 X \_\_\_\_ = 18 (yellow)

3 X \_\_\_\_ = 12 (yellow)

6 X \_\_\_\_ = 24 (blue)

7 X \_\_\_\_ = 42 (red)

5 X \_\_\_\_ = 40 (red)

3 X \_\_\_\_ = 15 (yellow)

5 X \_\_\_\_ = 25 (yellow)

4 X \_\_\_\_ = 20 (yellow)

4 X \_\_\_\_ = 28 (red)

7 X \_\_\_\_ = 35 (yellow)

### SAMPLE PUZZLE #3

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

Work all the problems. Then take one problem at a time—the first factor tells how many columns to move toward the right on the grid; the second factor tells how many rows to move upward. Where the row and column intersect, fill in the square with the given color.

$4 \times \underline{\quad} = 8 \text{ (green)}$

$5 \times \underline{\quad} = 30 \text{ (green)}$

$7 \times \underline{\quad} = 14 \text{ (green)}$

$5 \times \underline{\quad} = 15 \text{ (brown)}$

$2 \times \underline{\quad} = 4 \text{ (green)}$

$3 \times \underline{\quad} = 18 \text{ (green)}$

$4 \times \underline{\quad} = 24 \text{ (green)}$

$6 \times \underline{\quad} = 48 \text{ (green)}$

$5 \times \underline{\quad} = 25 \text{ (green)}$

$3 \times \underline{\quad} = 6 \text{ (green)}$

$4 \times \underline{\quad} = 28 \text{ (green)}$

$3 \times \underline{\quad} = 21 \text{ (green)}$

$7 \times \underline{\quad} = 49 \text{ (green)}$

$5 \times \underline{\quad} = 20 \text{ (brown)}$

$4 \times \underline{\quad} = 32 \text{ (green)}$

$4 \times \underline{\quad} = 20 \text{ (green)}$

$7 \times \underline{\quad} = 42 \text{ (green)}$

$8 \times \underline{\quad} = 16 \text{ (green)}$

$2 \times \underline{\quad} = 18 \text{ (yellow)}$

$6 \times \underline{\quad} = 12 \text{ (green)}$

$5 \times \underline{\quad} = 35 \text{ (green)}$

$6 \times \underline{\quad} = 42 \text{ (green)}$

$5 \times \underline{\quad} = 40 \text{ (green)}$

$6 \times \underline{\quad} = 36 \text{ (green)}$

$5 \times \underline{\quad} = 10 \text{ (green)}$

$6 \times \underline{\quad} = 30 \text{ (green)}$

**SAMPLE PUZZLE #4**

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

Work all the problems. Then take one problem at a time—the first factor tells how many columns to move toward the right on the grid; the second factor tells how many rows to move upward. Where the row and column intersect, fill in the square with the given color.

2 X \_\_\_\_ = 10 (blue)

3 X \_\_\_\_ = 9 (purple)

4 X \_\_\_\_ = 24 (blue)

3 X \_\_\_\_ = 21 (blue)

2 X \_\_\_\_ = 12 (blue)

3 X \_\_\_\_ = 12 (purple)

5 X \_\_\_\_ = 20 (black)

8 X \_\_\_\_ = 56 (blue)

2 X \_\_\_\_ = 4 (purple)

7 X \_\_\_\_ = 21 (purple)

5 X \_\_\_\_ = 25 (black)

8 X \_\_\_\_ = 64 (blue)

2 X \_\_\_\_ = 16 (blue)

8 X \_\_\_\_ = 24 (purple)

7 X \_\_\_\_ = 35 (blue)

6 X \_\_\_\_ = 36 (blue)

7 X \_\_\_\_ = 49 (blue)

2 X \_\_\_\_ = 6 (purple)

5 X \_\_\_\_ = 35 (black)

3 X \_\_\_\_ = 18 (blue)

7 X \_\_\_\_ = 28 (purple)

4 X \_\_\_\_ = 16 (purple)

2 X \_\_\_\_ = 14 (blue)

8 X \_\_\_\_ = 40 (blue)

8 X \_\_\_\_ = 16 (purple)

5 X \_\_\_\_ = 30 (black)

7 X \_\_\_\_ = 42 (blue)

3 X \_\_\_\_ = 15 (blue)

8 X \_\_\_\_ = 48 (blue)

5 X \_\_\_\_ = 15 (black)

6 X \_\_\_\_ = 30 (blue)

6 X \_\_\_\_ = 24 (purple)

4 X \_\_\_\_ = 20 (blue)

### SOLUTION FOR PUZZLE #1

	R						
	Y						
	G						
			B	B	N	N	N
		B	B	B	N	N	N
		B	B	B	N	N	N
			K				K

3	4	3
7	3	4
4	4	5
5	8	2
3	5	4
9	5	4
4	3	5
2	5	3
3		

### SOLUTION FOR PUZZLE #2

				R			
			R	R	R		
		R	R	R	R	R	
		Y	Y	Y	Y	Y	
		Y	B	Y	B	Y	
		Y	B	Y	Y	Y	

4	6	5
4	3	6
6	6	3
7	4	3
3	7	3
4	4	6
8	5	5
5	7	5

### SOLUTION FOR PUZZLE #3

	Y						
			G	G	G		
		G	G	G	G	G	
		G	G	G	G	G	
			G	G	G		
				N			
				N			
	G	G	G	G	G	G	G

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

### SOLUTION FOR PUZZLE #4

	B						B
	B	B		K		B	B
	B	B	B	K	B	B	B
	B	B	B	K	B	B	B
		P	P	K	P	P	
	P	P		K		P	P
	P						P

5	3	6
7	6	4
4	7	2
3	5	8
8	3	5
6	7	3
7	6	4
4	7	5
2	6	6
5	6	3
5	4	5