Multiplication with Helper Grid

Name:

Solve each problem.

1)

	1	3	8	5
×		5	5	1
+				

2)

	4	0	0	1
×		6	8	5
+				

3)

	8	7	6	5	
×		3	0	9	
+					

4)

	7	7
×	5	8
+		

5)

	6	2
×	5	1
+		

6)

	2	1	3	8
×		5	5	8
+				

7)

	6	0
×	3	2
+		

8)

	9	3	0	9
×		9	9	0
+				

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

		1	3	8	5
×			5	5	1
		1	3	8	5
	6	9	2	5	0
+ 6	9	2	5	0	0
7	6	3	1	3	5

2)

		4	0	0	1
×			6	8	5
	2	0	0	0	5
3	2	0	0	8	0
+ 2	4	0	0	6	0	0
2	7	4	0	6	8	5

3)

			8	7	6	5
		×		3	0	9
		7	8	8	8	5
						0
+ 2	6	2	9	5	0	0
2	7	0	8	3	8	5

4)

		7	7
	×	5	8
	6	1	6
+ 3	8	5	0
4	4	6	6

5)

		6	2
	×	5	1
		6	2
+ 3	1	0	0
3	1	6	2

6)

		2	1	3	8
×			5	5	8
	1	7	1	0	4
	1	0	6	9	0	0
+ 1	0	6	9	0	0	0
1	1	9	3	0	0	4

7)

		6	0
	×	3	2
	1	2	0
+ 1	8	0	0
1	9	2	0

8)

		9	3	0	9
×			9	9	0
					0
	8	3	7	8	1	0
+ 8	3	7	8	1	0	0
9	2	1	5	9	1	0

Answers

1. **763,135**
2. **2,740,685**
3. **2,708,385**
4. **4,466**
5. **3,162**
6. **1,193,004**
7. **1,920**
8. **9,215,910**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name:

Solve each problem.

1)

			7	3	8	9
		×		4	8	1
+						

2)

			6	0	3	3
		×		8	6	8
+						

3)

	4	6
×	1	6
+		

4)

		7	4
	×	3	5
+			

5)

		9	6
	×	2	8
+			

6)

		3	0
	×	8	4
+			

7)

			9	3	2	5
		×		8	4	7
+						

8)

			8	5	9	3
		×		4	5	1
+						

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

			7	3	8	9
		×		4	8	1
			7	3	8	9
	5	9	1	1	2	0
+ 2	9	5	5	6	0	0
3	5	5	4	1	0	9

2)

		6	0	3	3
	×		8	6	8
	4	8	2	6	4
3	6	1	9	8	0
+ 4	8	2	6	4	0	0
5	2	3	6	6	4	4

3)

	4	6
×	1	6
2	7	6
+ 4	6	0
7	3	6

4)

	7	4
×	3	5
3	7	0
+ 2	2	2	0
2	5	9	0

5)

		9	6
	×	2	8
	7	6	8
+ 1	9	2	0
2	6	8	8

6)

		3	0
	×	8	4
	1	2	0
+ 2	4	0	0
2	5	2	0

7)

			9	3	2	5
		×		8	4	7
		6	5	2	7	5
	3	7	3	0	0	0
+ 7	4	6	0	0	0	0
7	8	9	8	2	7	5

8)

			8	5	9	3
		×		4	5	1
			8	5	9	3
	4	2	9	6	5	0
+ 3	4	3	7	2	0	0
3	8	7	5	4	4	3

Answers

1. **3,554,109**
2. **5,236,644**
3. **736**
4. **2,590**
5. **2,688**
6. **2,520**
7. **7,898,275**
8. **3,875,443**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid Name:

Solve each problem.

1)

$$\begin{array}{r} 7817 \\ \times\ 936 \\ \hline \\ + \\ \hline \end{array}$$

2)

$$\begin{array}{r} 92 \\ \times\ 60 \\ \hline \\ + \\ \hline \end{array}$$

3)

$$\begin{array}{r} 36 \\ \times\ 11 \\ \hline \\ + \\ \hline \end{array}$$

4)

$$\begin{array}{r} 9506 \\ \times\ 907 \\ \hline \\ \\ + \\ \hline \end{array}$$

5)

$$\begin{array}{r} 3975 \\ \times\ 272 \\ \hline \\ \\ + \\ \hline \end{array}$$

6)

$$\begin{array}{r} 44 \\ \times\ 94 \\ \hline \\ + \\ \hline \end{array}$$

7)

$$\begin{array}{r} 53 \\ \times\ 32 \\ \hline \\ + \\ \hline \end{array}$$

8)

$$\begin{array}{r} 5844 \\ \times\ 324 \\ \hline \\ \\ + \\ \hline \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

			7	8	1	7
		×		9	3	6
		4	6	9	0	2
	2	3	4	5	1	0
+ 7	0	3	5	3	0	0
7	3	1	6	7	1	2

2)

		9	2
	×	6	0
			0
+ 5	5	2	0
5	5	2	0

3)

	3	6
×	1	1
	3	6
+ 3	6	0
3	9	6

4)

			9	5	0	6
		×		9	0	7
		6	6	5	4	2
						0
+ 8	5	5	5	4	0	0
8	6	2	1	9	4	2

5)

			3	9	7	5
		×		2	7	2
			7	9	5	0
	2	7	8	2	5	0
+	7	9	5	0	0	0
1	0	8	1	2	0	0

6)

		4	4
	×	9	4
	1	7	6
+ 3	9	6	0
4	1	3	6

7)

		5	3
	×	3	2
	1	0	6
+ 1	5	9	0
1	6	9	6

8)

			5	8	4	4
		×		3	2	4
		2	3	3	7	6
	1	1	6	8	8	0
+ 1	7	5	3	2	0	0
1	8	9	3	4	5	6

Answers

1. **7,316,712**
2. **5,520**
3. **396**
4. **8,621,942**
5. **1,081,200**
6. **4,136**
7. **1,696**
8. **1,893,456**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid Name:

Solve each problem.

1)

		1	2	4	1
	×		4	9	7
+					

2)

		4	8
	×	3	1
+			

3)

		7	6
	×	5	2
+			

4)

			4	6	2	6
		×		8	0	2
+						

5)

			6	4	3	0
		×		1	7	6
+						

6)

		6	2
	×	5	8
+			

7)

		8	8
	×	3	7
+			

8)

			5	9	3	5
		×		3	3	8
+						

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

			1	2	4	1
		×		4	9	7
			8	6	8	7
	1	1	1	6	9	0
+	4	9	6	4	0	0
	6	1	6	7	7	7

2)

		4	8
	×	3	1
		4	8
+	1	4	4	0
	1	4	8	8

3)

		7	6
	×	5	2
	1	5	2
+	3	8	0	0
	3	9	5	2

4)

			4	6	2	6
		×		8	0	2
			9	2	5	2
						0
+	3	7	0	0	8	0	0
	3	7	1	0	0	5	2

5)

			6	4	3	0
		×		1	7	6
		3	8	5	8	0
	4	5	0	1	0	0
+	6	4	3	0	0	0
1	1	3	1	6	8	0

6)

		6	2
	×	5	8
	4	9	6
+	3	1	0	0
	3	5	9	6

7)

		8	8
	×	3	7
	6	1	6
+	2	6	4	0
	3	2	5	6

8)

			5	9	3	5
		×		3	3	8
		4	7	4	8	0
	1	7	8	0	5	0
+	1	7	8	0	5	0	0
	2	0	0	6	0	3	0

Answers

1. **616,777**
2. **1,488**
3. **3,952**
4. **3,710,052**
5. **1,131,680**
6. **3,596**
7. **3,256**
8. **2,006,030**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name:

Solve each problem.

1)

$$\begin{array}{r} 27 \\ \times\ 78 \\ \hline \square\square\square \\ +\ \square\square\square\square \\ \hline \square\square\square\square \end{array}$$

2)

$$\begin{array}{r} 39 \\ \times\ 51 \\ \hline \square\square\square \\ +\ \square\square\square\square \\ \hline \square\square\square\square \end{array}$$

3)

$$\begin{array}{r} 54 \\ \times\ 95 \\ \hline \square\square\square \\ +\ \square\square\square\square \\ \hline \square\square\square\square \end{array}$$

4)

$$\begin{array}{r} 3409 \\ \times\ 118 \\ \hline \square\square\square\square\square \\ \square\square\square\square\square \\ +\ \square\square\square\square\square\square \\ \hline \square\square\square\square\square\square \end{array}$$

5)

$$\begin{array}{r} 4376 \\ \times\ 284 \\ \hline \square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square \\ +\ \square\square\square\square\square\square\square \\ \hline \square\square\square\square\square\square\square \end{array}$$

6)

$$\begin{array}{r} 3443 \\ \times\ 946 \\ \hline \square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square \\ +\ \square\square\square\square\square\square\square \\ \hline \square\square\square\square\square\square\square \end{array}$$

7)

$$\begin{array}{r} 4639 \\ \times\ 550 \\ \hline \square\square\square\square\square\square\square \\ \square\square\square\square\square\square\square \\ +\ \square\square\square\square\square\square\square \\ \hline \square\square\square\square\square\square\square \end{array}$$

8)

$$\begin{array}{r} 49 \\ \times\ 15 \\ \hline \square\square\square \\ +\ \square\square\square \\ \hline \square\square\square \end{array}$$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

		2	7
	×	7	8
	2	1	6
+ 1	8	9	0
2	1	0	6

2)

		3	9
	×	5	1
		3	9
+ 1	9	5	0
1	9	8	9

3)

		5	4
	×	9	5
	2	7	0
+ 4	8	6	0
5	1	3	0

4)

		3	4	0	9
	×		1	1	8
	2	7	2	7	2
	3	4	0	9	0
+ 3	4	0	9	0	0
4	0	2	2	6	2

5)

			4	3	7	6
		×		2	8	4
		1	7	5	0	4
	3	5	0	0	8	0
+	8	7	5	2	0	0
1	2	4	2	7	8	4

6)

			3	4	4	3
		×		9	4	6
		2	0	6	5	8
	1	3	7	7	2	0
+ 3	0	9	8	7	0	0
3	2	5	7	0	7	8

7)

			4	6	3	9
		×		5	5	0
						0
	2	3	1	9	5	0
+ 2	3	1	9	5	0	0
2	5	5	1	4	5	0

8)

	4	9
×	1	5
2	4	5
+ 4	9	0
7	3	5

Answers

1. **2,106**
2. **1,989**
3. **5,130**
4. **402,262**
5. **1,242,784**
6. **3,257,078**
7. **2,551,450**
8. **735**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid Name:

Solve each problem.

1)

		9	6
	×	3	2
+			

2)

	1	2	3	9
×		1	4	4
+				

3)

			5	1	3	7
		×		4	7	8
+						

4)

	7	5	
×	9	1	
+			

5)

	4	8	
×	7	9	
+			

6)

	5	6	
×	7	3	
+			

7)

		1	5	7	5
	×		2	4	9
+					

8)

		4	3	1	4
	×		1	3	5
+					

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

		9	6
	×	3	2
	1	9	2
+ 2	8	8	0
3	0	7	2

2)

		1	2	3	9
	×		1	4	4
		4	9	5	6
	4	9	5	6	0
+ 1	2	3	9	0	0
1	7	8	4	1	6

3)

			5	1	3	7
		×		4	7	8
		4	1	0	9	6
	3	5	9	5	9	0
+ 2	0	5	4	8	0	0
2	4	5	5	4	8	6

4)

		7	5
	×	9	1
		7	5
+ 6	7	5	0
6	8	2	5

5)

		4	8
	×	7	9
	4	3	2
+ 3	3	6	0
3	7	9	2

6)

		5	6
	×	7	3
	1	6	8
+ 3	9	2	0
4	0	8	8

7)

		1	5	7	5
	×		2	4	9
	1	4	1	7	5
	6	3	0	0	0
+ 3	1	5	0	0	0
3	9	2	1	7	5

8)

		4	3	1	4
	×		1	3	5
	2	1	5	7	0
1	2	9	4	2	0
+ 4	3	1	4	0	0
5	8	2	3	9	0

Answers

1. **3,072**
2. **178,416**
3. **2,455,486**
4. **6,825**
5. **3,792**
6. **4,088**
7. **392,175**
8. **582,390**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name:

Solve each problem.

1)

			6	1	1	8
		×		2	8	4
+						

2)

		6	8
	×	3	4
+			

3)

			8	9	2	3
		×		2	1	7
+						

4)

		8	1
	×	3	4
+			

5)

		2	5
	×	8	2
+			

6)

		4	4
	×	9	9
+			

7)

			2	7	2	0
		×		5	2	0
+						

8)

			8	7	6	4	
		×		3	6	8	
+							

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

			6	1	1	8
		×		2	8	4
		2	4	4	7	2
	4	8	9	4	4	0
+ 1	2	2	3	6	0	0
1	7	3	7	5	1	2

2)

		6	8
	×	3	4
	2	7	2
+ 2	0	4	0
2	3	1	2

3)

			8	9	2	3
		×		2	1	7
		6	2	4	6	1
		8	9	2	3	0
+ 1	7	8	4	6	0	0
1	9	3	6	2	9	1

4)

		8	1
	×	3	4
	3	2	4
+ 2	4	3	0
2	7	5	4

5)

		2	5
	×	8	2
		5	0
+ 2	0	0	0
2	0	5	0

6)

		4	4
	×	9	9
	3	9	6
+ 3	9	6	0
4	3	5	6

7)

			2	7	2	0
		×		5	2	0
						0
		5	4	4	0	0
+ 1	3	6	0	0	0	0
1	4	1	4	4	0	0

8)

			8	7	6	4
		×		3	6	8
		7	0	1	1	2
	5	2	5	8	4	0
+ 2	6	2	9	2	0	0
3	2	2	5	1	5	2

Answers

1. 1,737,512
2. 2,312
3. 1,936,291
4. 2,754
5. 2,050
6. 4,356
7. 1,414,400
8. 3,225,152

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid Name:

Solve each problem.

1)

		1	4	9	1
	×		2	3	4
+					

2)

		9	2
	×	7	5
+			

3)

		1	4	2	4
	×		3	9	3
+					

4)

			6	0	9	8
		×		9	3	3
+						

5)

			7	6	4	7
		×		2	1	9
+						

6)

		2	1
	×	5	3
+			

7)

		6	6
	×	6	3
+			

8)

			2	3	6	8
		×		6	1	9
+						

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

		1	4	9	1
	×		2	3	4
		5	9	6	4
	4	4	7	3	0
+ 2	9	8	2	0	0
3	4	8	8	9	4

2)

		9	2
	×	7	5
	4	6	0
+ 6	4	4	0
6	9	0	0

3)

		1	4	2	4
	×		3	9	3
		4	2	7	2
1	2	8	1	6	0
+ 4	2	7	2	0	0
5	5	9	6	3	2

4)

			6	0	9	8
		×		0	9	3
		1	8	2	9	4
	1	8	2	9	4	0
+ 5	4	8	8	2	0	0
5	6	8	9	4	3	4

5)

			7	6	4	7
		×		2	1	9
		6	8	8	2	3
		7	6	4	7	0
+ 1	5	2	9	4	0	0
1	6	7	4	6	9	3

6)

		2	1
	×	5	3
		6	3
+ 1	0	5	0
1	1	1	3

7)

		6	6
	×	6	3
	1	9	8
+ 3	9	6	0
4	1	5	8

8)

			2	3	6	8
		×		6	1	9
		2	1	3	1	2
		2	3	6	8	0
+ 1	4	2	0	8	0	0
1	4	6	5	7	9	2

Answers

1. **348,894**
2. **6,900**
3. **559,632**
4. **5,689,434**
5. **1,674,693**
6. **1,113**
7. **4,158**
8. **1,465,792**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name:

Solve each problem.

1)

			9	1	3	3
		×		5	0	5
+						

2)

		5	0
	×	5	3
+			

3)

		9	2
	×	5	1
+			

4)

		7	3
	×	4	4
+			

5)

			8	6	6	0
		×		3	2	7
+						

6)

		1	5	3	7
	×		3	6	0
+					

7)

			7	0	1	1
		×		2	4	2
+						

8)

			8	4	6	1	
		×		7	5	6	
+							

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

			9	1	3	3
		×		5	0	5
		4	5	6	6	5
						0
+	4	5	6	6	5	0	0
	4	6	1	2	1	6	5

2)

		5	0
	×	5	3
	1	5	0
+	2	5	0	0
	2	6	5	0

3)

		9	2
	×	5	1
		9	2
+	4	6	0	0
	4	6	9	2

4)

		7	3
	×	4	4
	2	9	2
+	2	9	2	0
	3	2	1	2

5)

			8	6	6	0
		×		3	2	7
		6	0	6	2	0
	1	7	3	2	0	0
+	2	5	9	8	0	0	0
	2	8	3	1	8	2	0

6)

		1	5	3	7
	×		3	6	0
					0
	9	2	2	2	0
+	4	6	1	1	0	0
	5	5	3	3	2	0

7)

			7	0	1	1
		×		2	4	2
		1	4	0	2	2
	2	8	0	4	4	0
+	1	4	0	2	2	0	0
	1	6	9	6	6	6	2

8)

			8	4	6	1
		×		7	5	6
		5	0	7	6	6
	4	2	3	0	5	0
+	5	9	2	2	7	0	0
	6	3	9	6	5	1	6

Answers

1. **4,612,165**
2. **2,650**
3. **4,692**
4. **3,212**
5. **2,831,820**
6. **553,320**
7. **1,696,662**
8. **6,396,516**

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name:

Solve each problem.

1)

		1	8
	×	3	5
+			

2)

		5	3
	×	8	5
+			

3)

			9	7	0	6
		×		4	1	5
+						

4)

		5	2
	×	5	7
+			

5)

			3	0	5	0
		×		5	4	9
+						

6)

			8	5	8	8
		×		6	4	9
+						

7)

		9	3
	×	5	3
+			

8)

			8	4	8	7
		×		2	6	3
+						

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

1-8	88	75	63	50	38	25	13	0

Multiplication with Helper Grid

Name: **Answer Key**

Solve each problem.

1)

		1	8
	×	3	5
		9	0
+	5	4	0
	6	3	0

2)

		5	3
	×	8	5
	2	6	5
+	4	2	4	0
	4	5	0	5

3)

			9	7	0	6
		×		4	1	5
		4	8	5	3	0
		9	7	0	6	0
+	3	8	8	2	4	0	0
	4	0	2	7	9	9	0

4)

		5	2
	×	5	7
	3	6	4
+	2	6	0	0
	2	9	6	4

5)

			3	0	5	0
		×		5	4	9
		2	7	4	5	0
	1	2	2	0	0	0
+	1	5	2	5	0	0	0
	1	6	7	4	4	5	0

6)

			8	5	8	8
		×		6	4	9
		7	7	2	9	2
	3	4	3	5	2	0
+	5	1	5	2	8	0	0
	5	5	7	3	6	1	2

7)

		9	3
	×	5	3
	2	7	9
+	4	6	5	0
	4	9	2	9

8)

			8	4	8	7
		×		2	6	3
		2	5	4	6	1
	5	0	9	2	2	0
+	1	6	9	7	4	0	0
	2	2	3	2	0	8	1

Answers

1. **630**
2. **4,505**
3. **4,027,990**
4. **2,964**
5. **1,674,450**
6. **5,573,612**
7. **4,929**
8. **2,232,081**

1-8	88	75	63	50	38	25	13	0