



Instructions for Math Assessment

The following pages are tests for assessing addition, subtraction, multiplication and division skills. The steps are simple:

- Teenagers get 3 minutes to complete each test and, pre-teens get 5 minutes.
- Test and time each test separately.
- At the end of their allotted time, stop them and mark how many problems they completed. You do this by drawing a line underneath the completed problems. Sometimes the line is a zig-zag since they may have completed only part of the row they are on.
- Move on to test the next skill until all 4 skills have been completed. (Younger children who have no skill in multiplication and division need not be tested in those skills.)
- When you have finished timing them on all of their skills, you may allow them to answer any unfinished problems if you wish but for their score, only count the problems they answered correctly within the 3 or 5 minutes time limit. For example, a pre-teen answers 75 problems in the 5 minutes given and missed 5 of them. Their score would be 70.
- Take the test with them and score theirs by comparing it to yours or check it with the answer sheets provided.
- Use the guide below to determine the appropriate Jones Geniuses Accelerated Learning Math curriculum to use with your child.

It's also important to carefully consider your child's math proclivity, as well as any learning challenges he or she may have. Children that have difficulty with math or who are mathphobic may need to start at a lower level than what's listed above, while kids who have a fondness for math may need to start at a higher level. The same is true for learning ability. If your child has any learning challenges or disabilities, it would be wise to consider starting him or her at a lower level. If your child picks up math concepts easily, then a higher level may be necessary. This chart is only a general guideline. It is important to assess each child individually based on his or her prior knowledge, skill, math proclivity and learning capabilities. **Please call us at 817-718-8822 for any questions or concerns.**

	Below 50 on Add/Sub/Mult/Div	Above 50 Add/Sub Below 50 Mult/Div	Above 50 on Add/Sub/Mult/Div
Age			
Under 6 Yrs	Early Learning Math	Math Three: Fact Master	
6-9 Yrs	Early Learning Math	Math Three: Fact Master	Math Three: Fact Master
10-12 Yrs	Early Learning Math	Math Five: Factor Master	Math Five: Factor Master
Teen/Adult		Math Five: Factor Master	Math Seven: Rapid Calculation

Please note: All Jones Geniuses programs start at an odd numbered level. This means that first-time students will always start at either Early Learning Math, Math Three, Math Five or Math Seven. The even numbered programs are all for continuing students. If you are new to Jones Geniuses, you will need to buy an odd numbered kit.



SUBTRACTION

Name _____ Date _____ Time _____ Score _____

1. $\begin{array}{r} 1 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$

2. $\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$

3. $\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$

4. $\begin{array}{r} 9 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 0 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$

5. $\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$

6. $\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 1 \\ -1 \\ \hline \end{array}$

7. $\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$

8. $\begin{array}{r} 8 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$

9. $\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$ $\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$

10. $\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$ $\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ -1 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$ $\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$ $\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$ $\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$



Name _____ Date _____ Time _____ Score _____

1. $1\overline{)7}$ $2\overline{)6}$ $3\overline{)6}$ $2\overline{)8}$ $3\overline{)9}$ $6\overline{)42}$ $5\overline{)10}$ $1\overline{)3}$ $3\overline{)24}$ $4\overline{)8}$

2. $2\overline{)4}$ $1\overline{)5}$ $5\overline{)5}$ $6\overline{)36}$ $1\overline{)4}$ $3\overline{)3}$ $1\overline{)2}$ $7\overline{)7}$ $1\overline{)6}$ $7\overline{)49}$

3. $6\overline{)6}$ $3\overline{)15}$ $4\overline{)4}$ $1\overline{)8}$ $2\overline{)12}$ $8\overline{)8}$ $1\overline{)9}$ $8\overline{)72}$ $7\overline{)42}$ $1\overline{)1}$

4. $3\overline{)12}$ $3\overline{)18}$ $4\overline{)12}$ $8\overline{)56}$ $8\overline{)64}$ $6\overline{)12}$ $5\overline{)15}$ $2\overline{)14}$ $6\overline{)18}$ $9\overline{)72}$

5. $1\overline{)0}$ $7\overline{)63}$ $2\overline{)18}$ $4\overline{)16}$ $2\overline{)0}$ $6\overline{)24}$ $7\overline{)14}$ $6\overline{)0}$ $8\overline{)16}$ $9\overline{)0}$

6. $4\overline{)36}$ $4\overline{)0}$ $9\overline{)27}$ $4\overline{)28}$ $3\overline{)24}$ $5\overline{)0}$ $3\overline{)21}$ $8\overline{)24}$ $3\overline{)0}$ $4\overline{)20}$

7. $6\overline{)24}$ $5\overline{)25}$ $5\overline{)20}$ $7\overline{)21}$ $7\overline{)0}$ $6\overline{)36}$ $3\overline{)27}$ $4\overline{)24}$ $7\overline{)35}$ $5\overline{)45}$

8. $4\overline{)36}$ $5\overline{)35}$ $9\overline{)36}$ $5\overline{)30}$ $7\overline{)28}$ $8\overline{)32}$ $6\overline{)30}$ $4\overline{)32}$ $9\overline{)45}$ $9\overline{)18}$

9. $5\overline{)45}$ $6\overline{)42}$ $2\overline{)2}$ $8\overline{)48}$ $7\overline{)42}$ $5\overline{)40}$ $6\overline{)48}$ $8\overline{)40}$ $9\overline{)54}$ $8\overline{)48}$

10. $8\overline{)64}$ $6\overline{)54}$ $7\overline{)56}$ $9\overline{)63}$ $8\overline{)56}$ $8\overline{)0}$ $9\overline{)81}$ $9\overline{)9}$ $2\overline{)16}$ $9\overline{)63}$



ADDITION ANSWERS

1.	$\begin{array}{r} 1 \\ +9 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ +1 \\ \hline 7 \end{array}$	$\begin{array}{r} 3 \\ +9 \\ \hline 12 \end{array}$	$\begin{array}{r} 1 \\ +4 \\ \hline 5 \end{array}$	$\begin{array}{r} 2 \\ +5 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ +4 \\ \hline 11 \end{array}$	$\begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ +7 \\ \hline 14 \end{array}$	$\begin{array}{r} 1 \\ +5 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ +3 \\ \hline 8 \end{array}$
2.	$\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array}$	$\begin{array}{r} 1 \\ +0 \\ \hline 1 \end{array}$	$\begin{array}{r} 8 \\ +4 \\ \hline 12 \end{array}$	$\begin{array}{r} 3 \\ +2 \\ \hline 5 \end{array}$	$\begin{array}{r} 7 \\ +2 \\ \hline 9 \end{array}$	$\begin{array}{r} 0 \\ +0 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ +5 \\ \hline 14 \end{array}$	$\begin{array}{r} 0 \\ +5 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ +0 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ +9 \\ \hline 11 \end{array}$
3.	$\begin{array}{r} 7 \\ +1 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ +3 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$	$\begin{array}{r} 5 \\ +6 \\ \hline 11 \end{array}$	$\begin{array}{r} 7 \\ +9 \\ \hline 16 \end{array}$	$\begin{array}{r} 8 \\ +2 \\ \hline 10 \end{array}$	$\begin{array}{r} 4 \\ +9 \\ \hline 13 \end{array}$	$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ +0 \\ \hline 3 \end{array}$	$\begin{array}{r} 2 \\ +1 \\ \hline 3 \end{array}$
4.	$\begin{array}{r} 5 \\ +0 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ +8 \\ \hline 13 \end{array}$	$\begin{array}{r} 2 \\ +6 \\ \hline 8 \end{array}$	$\begin{array}{r} 0 \\ +7 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ +6 \\ \hline 7 \end{array}$	$\begin{array}{r} 4 \\ +8 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ +1 \\ \hline 10 \end{array}$	$\begin{array}{r} 2 \\ +0 \\ \hline 2 \end{array}$	$\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$	$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$
5.	$\begin{array}{r} 8 \\ +0 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ +7 \\ \hline 9 \end{array}$	$\begin{array}{r} 3 \\ +1 \\ \hline 4 \end{array}$	$\begin{array}{r} 8 \\ +9 \\ \hline 17 \end{array}$	$\begin{array}{r} 0 \\ +3 \\ \hline 3 \end{array}$	$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ +0 \\ \hline 7 \end{array}$	$\begin{array}{r} 6 \\ +7 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ +2 \\ \hline 11 \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline 6 \end{array}$
6.	$\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ +9 \\ \hline 14 \end{array}$	$\begin{array}{r} 0 \\ +2 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ +6 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ +2 \\ \hline 6 \end{array}$	$\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$	$\begin{array}{r} 0 \\ +8 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ +5 \\ \hline 11 \end{array}$	$\begin{array}{r} 6 \\ +3 \\ \hline 9 \end{array}$	$\begin{array}{r} 1 \\ +8 \\ \hline 9 \end{array}$
7.	$\begin{array}{r} 6 \\ +8 \\ \hline 14 \end{array}$	$\begin{array}{r} 2 \\ +8 \\ \hline 10 \end{array}$	$\begin{array}{r} 2 \\ +2 \\ \hline 4 \end{array}$	$\begin{array}{r} 9 \\ +7 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ +6 \\ \hline 15 \end{array}$	$\begin{array}{r} 0 \\ +6 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ +1 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ +9 \\ \hline 15 \end{array}$	$\begin{array}{r} 0 \\ +4 \\ \hline 4 \end{array}$
8.	$\begin{array}{r} 6 \\ +2 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline 17 \end{array}$	$\begin{array}{r} 0 \\ +9 \\ \hline 9 \end{array}$	$\begin{array}{r} 7 \\ +8 \\ \hline 15 \end{array}$	$\begin{array}{r} 7 \\ +3 \\ \hline 10 \end{array}$	$\begin{array}{r} 7 \\ +6 \\ \hline 13 \end{array}$	$\begin{array}{r} 8 \\ +1 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ +4 \\ \hline 10 \end{array}$	$\begin{array}{r} 1 \\ +3 \\ \hline 4 \end{array}$
9.	$\begin{array}{r} 0 \\ +1 \\ \hline 1 \end{array}$	$\begin{array}{r} 2 \\ +4 \\ \hline 6 \end{array}$	$\begin{array}{r} 4 \\ +1 \\ \hline 5 \end{array}$	$\begin{array}{r} 9 \\ +4 \\ \hline 13 \end{array}$	$\begin{array}{r} 7 \\ +5 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ +0 \\ \hline 4 \end{array}$	$\begin{array}{r} 8 \\ +3 \\ \hline 11 \end{array}$	$\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$	$\begin{array}{r} 4 \\ +7 \\ \hline 11 \end{array}$	$\begin{array}{r} 3 \\ +7 \\ \hline 10 \end{array}$
10.	$\begin{array}{r} 5 \\ +7 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ +0 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ +2 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ +7 \\ \hline 8 \end{array}$	$\begin{array}{r} 5 \\ +4 \\ \hline 9 \end{array}$	$\begin{array}{r} 3 \\ +4 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ +2 \\ \hline 3 \end{array}$	$\begin{array}{r} 8 \\ +6 \\ \hline 14 \end{array}$	$\begin{array}{r} 4 \\ +3 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ +1 \\ \hline 2 \end{array}$



SUBTRACTION ANSWERS

1.	$\begin{array}{r} 1 \\ -0 \\ \hline 1 \end{array}$	$\begin{array}{r} 15 \\ -7 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ -3 \\ \hline 1 \end{array}$	$\begin{array}{r} 12 \\ -8 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ -0 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ -1 \\ \hline 2 \end{array}$	$\begin{array}{r} 8 \\ -8 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ -3 \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ -6 \\ \hline 4 \end{array}$	$\begin{array}{r} 9 \\ -9 \\ \hline 0 \end{array}$
2.	$\begin{array}{r} 5 \\ -1 \\ \hline 4 \end{array}$	$\begin{array}{r} 12 \\ -7 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ -4 \\ \hline 1 \end{array}$	$\begin{array}{r} 11 \\ -9 \\ \hline 2 \end{array}$	$\begin{array}{r} 8 \\ -5 \\ \hline 3 \end{array}$	$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$	$\begin{array}{r} 7 \\ -0 \\ \hline 7 \end{array}$	$\begin{array}{r} 16 \\ -8 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ -5 \\ \hline 1 \end{array}$	$\begin{array}{r} 10 \\ -2 \\ \hline 8 \end{array}$
3.	$\begin{array}{r} 5 \\ -0 \\ \hline 5 \end{array}$	$\begin{array}{r} 14 \\ -5 \\ \hline 9 \end{array}$	$\begin{array}{r} 7 \\ -1 \\ \hline 6 \end{array}$	$\begin{array}{r} 9 \\ -8 \\ \hline 1 \end{array}$	$\begin{array}{r} 5 \\ -2 \\ \hline 3 \end{array}$	$\begin{array}{r} 11 \\ -8 \\ \hline 3 \end{array}$	$\begin{array}{r} 6 \\ -1 \\ \hline 5 \end{array}$	$\begin{array}{r} 12 \\ -5 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ -6 \\ \hline 1 \end{array}$	$\begin{array}{r} 16 \\ -9 \\ \hline 7 \end{array}$
4.	$\begin{array}{r} 9 \\ -1 \\ \hline 8 \end{array}$	$\begin{array}{r} 11 \\ -5 \\ \hline 6 \end{array}$	$\begin{array}{r} 9 \\ -7 \\ \hline 2 \end{array}$	$\begin{array}{r} 13 \\ -8 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ -6 \\ \hline 0 \end{array}$	$\begin{array}{r} 12 \\ -4 \\ \hline 8 \end{array}$	$\begin{array}{r} 0 \\ -0 \\ \hline 0 \end{array}$	$\begin{array}{r} 11 \\ -6 \\ \hline 5 \end{array}$	$\begin{array}{r} 13 \\ -4 \\ \hline 9 \end{array}$	$\begin{array}{r} 2 \\ -1 \\ \hline 1 \end{array}$
5.	$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array}$	$\begin{array}{r} 12 \\ -6 \\ \hline 6 \end{array}$	$\begin{array}{r} 10 \\ -3 \\ \hline 7 \end{array}$	$\begin{array}{r} 14 \\ -9 \\ \hline 5 \end{array}$	$\begin{array}{r} 8 \\ -2 \\ \hline 6 \end{array}$	$\begin{array}{r} 15 \\ -8 \\ \hline 7 \end{array}$	$\begin{array}{r} 7 \\ -4 \\ \hline 3 \end{array}$	$\begin{array}{r} 15 \\ -6 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ -5 \\ \hline 0 \end{array}$	$\begin{array}{r} 11 \\ -2 \\ \hline 9 \end{array}$
6.	$\begin{array}{r} 3 \\ -3 \\ \hline 0 \end{array}$	$\begin{array}{r} 11 \\ -7 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ -0 \\ \hline 3 \end{array}$	$\begin{array}{r} 12 \\ -3 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array}$	$\begin{array}{r} 17 \\ -9 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ -4 \\ \hline 5 \end{array}$	$\begin{array}{r} 14 \\ -7 \\ \hline 7 \end{array}$	$\begin{array}{r} 9 \\ -2 \\ \hline 7 \end{array}$	$\begin{array}{r} 1 \\ -1 \\ \hline 0 \end{array}$
7.	$\begin{array}{r} 18 \\ -9 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ -0 \\ \hline 4 \end{array}$	$\begin{array}{r} 3 \\ -2 \\ \hline 1 \end{array}$	$\begin{array}{r} 10 \\ -9 \\ \hline 1 \end{array}$	$\begin{array}{r} 8 \\ -0 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ -2 \\ \hline 5 \end{array}$	$\begin{array}{r} 4 \\ -1 \\ \hline 3 \end{array}$	$\begin{array}{r} 14 \\ -8 \\ \hline 6 \end{array}$	$\begin{array}{r} 4 \\ -4 \\ \hline 0 \end{array}$	$\begin{array}{r} 14 \\ -6 \\ \hline 8 \end{array}$
8.	$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$	$\begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$	$\begin{array}{r} 10 \\ -1 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ -5 \\ \hline 4 \end{array}$	$\begin{array}{r} 10 \\ -7 \\ \hline 3 \end{array}$	$\begin{array}{r} 13 \\ -5 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ -7 \\ \hline 0 \end{array}$	$\begin{array}{r} 17 \\ -8 \\ \hline 9 \end{array}$	$\begin{array}{r} 13 \\ -7 \\ \hline 6 \end{array}$	$\begin{array}{r} 11 \\ -4 \\ \hline 7 \end{array}$
9.	$\begin{array}{r} 8 \\ -7 \\ \hline 1 \end{array}$	$\begin{array}{r} 6 \\ -4 \\ \hline 2 \end{array}$	$\begin{array}{r} 7 \\ -5 \\ \hline 2 \end{array}$	$\begin{array}{r} 13 \\ -3 \\ \hline 10 \end{array}$	$\begin{array}{r} 6 \\ -0 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ -2 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ -0 \\ \hline 9 \end{array}$	$\begin{array}{r} 8 \\ -3 \\ \hline 5 \end{array}$	$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$	$\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$
10.	$\begin{array}{r} 10 \\ -8 \\ \hline 2 \end{array}$	$\begin{array}{r} 16 \\ -7 \\ \hline 9 \end{array}$	$\begin{array}{r} 8 \\ -6 \\ \hline 2 \end{array}$	$\begin{array}{r} 12 \\ -9 \\ \hline 3 \end{array}$	$\begin{array}{r} 8 \\ -1 \\ \hline 7 \end{array}$	$\begin{array}{r} 13 \\ -6 \\ \hline 7 \end{array}$	$\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$	$\begin{array}{r} 15 \\ -9 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ -3 \\ \hline 2 \end{array}$	$\begin{array}{r} 13 \\ -9 \\ \hline 4 \end{array}$



MULTIPLICATION ANSWERS

1.	$\begin{array}{r} 1 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$	$\begin{array}{r} 5 \\ \times 1 \\ \hline 5 \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ \times 6 \\ \hline 12 \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline 1 \end{array}$	$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$	$\begin{array}{r} 9 \\ \times 0 \\ \hline 0 \end{array}$
2.	$\begin{array}{r} 7 \\ \times 9 \\ \hline 63 \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$	$\begin{array}{r} 2 \\ \times 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline 3 \end{array}$	$\begin{array}{r} 0 \\ \times 4 \\ \hline 0 \end{array}$	$\begin{array}{r} 1 \\ \times 6 \\ \hline 6 \end{array}$	$\begin{array}{r} 1 \\ \times 9 \\ \hline 9 \end{array}$
3.	$\begin{array}{r} 7 \\ \times 1 \\ \hline 7 \end{array}$	$\begin{array}{r} 9 \\ \times 1 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline 24 \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$	$\begin{array}{r} 2 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 1 \\ \times 7 \\ \hline 7 \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline 48 \end{array}$	$\begin{array}{r} 0 \\ \times 2 \\ \hline 0 \end{array}$
4.	$\begin{array}{r} 3 \\ \times 6 \\ \hline 18 \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$	$\begin{array}{r} 6 \\ \times 3 \\ \hline 18 \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline 32 \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline 20 \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$	$\begin{array}{r} 1 \\ \times 4 \\ \hline 4 \end{array}$
5.	$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline 21 \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline 15 \end{array}$
6.	$\begin{array}{r} 2 \\ \times 3 \\ \hline 6 \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline 28 \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$
7.	$\begin{array}{r} 1 \\ \times 5 \\ \hline 5 \end{array}$	$\begin{array}{r} 1 \\ \times 2 \\ \hline 2 \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline 6 \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline 27 \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$	$\begin{array}{r} 4 \\ \times 1 \\ \hline 4 \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline 40 \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline 45 \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$
8.	$\begin{array}{r} 8 \\ \times 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$	$\begin{array}{r} 0 \\ \times 3 \\ \hline 0 \end{array}$	$\begin{array}{r} 0 \\ \times 7 \\ \hline 0 \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline 18 \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline 56 \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline 48 \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline 72 \end{array}$	$\begin{array}{r} 0 \\ \times 6 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline 54 \end{array}$
9.	$\begin{array}{r} 0 \\ \times 8 \\ \hline 0 \end{array}$	$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline 12 \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline 42 \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$	$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \end{array}$
10.	$\begin{array}{r} 3 \\ \times 0 \\ \hline 0 \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline 27 \end{array}$	$\begin{array}{r} 1 \\ \times 8 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline 14 \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline 36 \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline 56 \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline 54 \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline 72 \end{array}$	$\begin{array}{r} 0 \\ \times 1 \\ \hline 0 \end{array}$



DIVISION ANSWERS

1. $\frac{7}{1 \overline{)7}}$ $\frac{3}{2 \overline{)6}}$ $\frac{2}{3 \overline{)6}}$ $\frac{4}{2 \overline{)8}}$ $\frac{3}{3 \overline{)9}}$ $\frac{7}{6 \overline{)42}}$ $\frac{2}{5 \overline{)10}}$ $\frac{3}{1 \overline{)3}}$ $\frac{8}{3 \overline{)24}}$ $\frac{2}{4 \overline{)8}}$

2. $\frac{2}{2 \overline{)4}}$ $\frac{5}{1 \overline{)5}}$ $\frac{1}{5 \overline{)5}}$ $\frac{6}{6 \overline{)36}}$ $\frac{4}{1 \overline{)4}}$ $\frac{1}{3 \overline{)3}}$ $\frac{2}{1 \overline{)2}}$ $\frac{1}{7 \overline{)7}}$ $\frac{6}{1 \overline{)6}}$ $\frac{7}{7 \overline{)49}}$

3. $\frac{1}{6 \overline{)6}}$ $\frac{5}{3 \overline{)15}}$ $\frac{1}{4 \overline{)4}}$ $\frac{8}{1 \overline{)8}}$ $\frac{6}{2 \overline{)12}}$ $\frac{1}{8 \overline{)8}}$ $\frac{9}{1 \overline{)9}}$ $\frac{9}{8 \overline{)72}}$ $\frac{6}{7 \overline{)42}}$ $\frac{1}{1 \overline{)1}}$

4. $\frac{4}{3 \overline{)12}}$ $\frac{6}{3 \overline{)18}}$ $\frac{3}{4 \overline{)12}}$ $\frac{7}{8 \overline{)56}}$ $\frac{8}{8 \overline{)64}}$ $\frac{2}{6 \overline{)12}}$ $\frac{3}{5 \overline{)15}}$ $\frac{7}{2 \overline{)14}}$ $\frac{3}{6 \overline{)18}}$ $\frac{8}{9 \overline{)72}}$

5. $\frac{0}{1 \overline{)0}}$ $\frac{9}{7 \overline{)63}}$ $\frac{9}{2 \overline{)18}}$ $\frac{4}{4 \overline{)16}}$ $\frac{0}{2 \overline{)0}}$ $\frac{4}{6 \overline{)24}}$ $\frac{2}{7 \overline{)14}}$ $\frac{0}{6 \overline{)0}}$ $\frac{2}{8 \overline{)16}}$ $\frac{0}{9 \overline{)0}}$

6. $\frac{9}{4 \overline{)36}}$ $\frac{0}{4 \overline{)0}}$ $\frac{3}{9 \overline{)27}}$ $\frac{7}{4 \overline{)28}}$ $\frac{8}{3 \overline{)24}}$ $\frac{0}{5 \overline{)0}}$ $\frac{7}{3 \overline{)21}}$ $\frac{3}{8 \overline{)24}}$ $\frac{0}{3 \overline{)0}}$ $\frac{5}{4 \overline{)20}}$

7. $\frac{4}{6 \overline{)24}}$ $\frac{5}{5 \overline{)25}}$ $\frac{4}{5 \overline{)20}}$ $\frac{3}{7 \overline{)21}}$ $\frac{0}{7 \overline{)0}}$ $\frac{6}{6 \overline{)36}}$ $\frac{9}{3 \overline{)27}}$ $\frac{6}{4 \overline{)24}}$ $\frac{5}{7 \overline{)35}}$ $\frac{9}{5 \overline{)45}}$

8. $\frac{9}{4 \overline{)36}}$ $\frac{7}{5 \overline{)35}}$ $\frac{4}{9 \overline{)36}}$ $\frac{6}{5 \overline{)30}}$ $\frac{4}{7 \overline{)28}}$ $\frac{4}{8 \overline{)32}}$ $\frac{5}{6 \overline{)30}}$ $\frac{8}{4 \overline{)32}}$ $\frac{5}{9 \overline{)45}}$ $\frac{2}{9 \overline{)18}}$

9. $\frac{9}{5 \overline{)45}}$ $\frac{7}{6 \overline{)42}}$ $\frac{1}{2 \overline{)2}}$ $\frac{6}{8 \overline{)48}}$ $\frac{6}{7 \overline{)42}}$ $\frac{8}{5 \overline{)40}}$ $\frac{8}{6 \overline{)48}}$ $\frac{5}{8 \overline{)40}}$ $\frac{6}{9 \overline{)54}}$ $\frac{6}{8 \overline{)48}}$

10. $\frac{8}{8 \overline{)64}}$ $\frac{9}{6 \overline{)54}}$ $\frac{8}{7 \overline{)56}}$ $\frac{7}{9 \overline{)63}}$ $\frac{7}{8 \overline{)56}}$ $\frac{0}{8 \overline{)0}}$ $\frac{9}{9 \overline{)81}}$ $\frac{1}{9 \overline{)9}}$ $\frac{8}{2 \overline{)16}}$ $\frac{7}{9 \overline{)63}}$