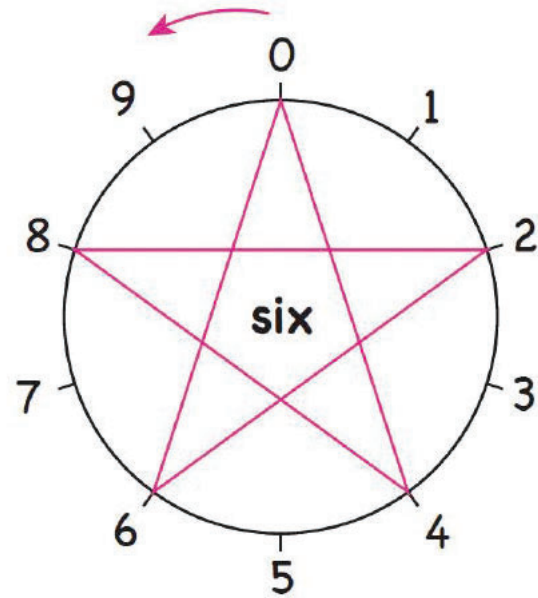
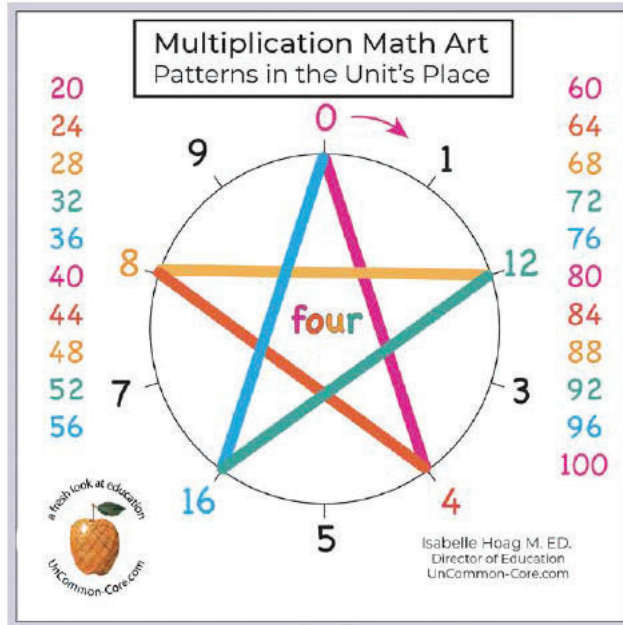


Addition with Regrouping: Patterns in the Unit's Place

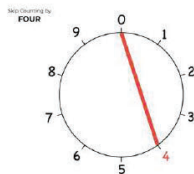


times one

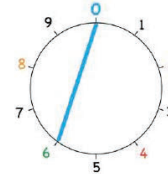
$$4+6=10$$

Number Bonds of Ten

one line



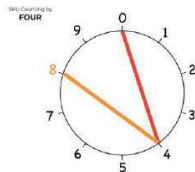
$$4+6=$$



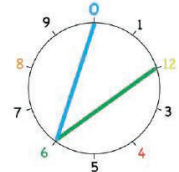
ten

Multiples of Number Bonds of Ten

two lines



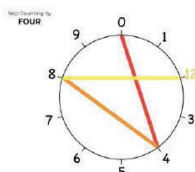
$$8+12=$$



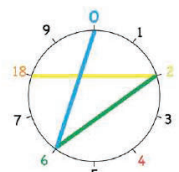
twenty

$$\begin{array}{r} \times 2 \\ 8 \\ +12 \\ \hline 20 \end{array}$$

three lines



$$12+18=$$



thirty

$$\begin{array}{r} \times 3 \\ 8 \\ +12 \\ \hline 30 \end{array}$$

Hello Teachers,

Thank you for downloading this handout. After decades of teaching, now I am sharing some of the activities I designed for my students and some new ones as well.

Please, check out the self-paced teacher education courses on UnCommon-Core.com.

While you are there, sign up for your free copy of *Colorful Collections: A Mindful Exploration of Proper Fractions*.

Also, visit my Teachers Pay Teachers store UnCommon-Core dot com.



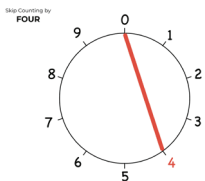
Thank you again. All the best,

Isabelle

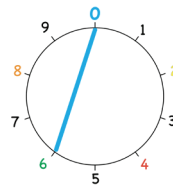
Isabelle Hoag M.Ed.
Director of Education
UnCommon-Core.com

Number Bonds of Ten

one line



$$4+6=$$



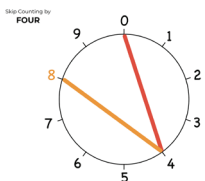
ten

After completing **Multiplication Math Art: Patterns in the Unit's Place** students may have wondered why pairs of numbers that add to ten had similar patterns which were built in opposite directions. In this set of activities, students will see the digits in the unit's place of number bonds of ten (and their multiples) working together - perfectly combining to create a zero in the unit's place of sums that are multiples of ten.

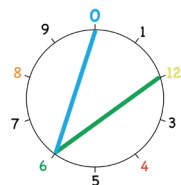
Schedule time for you and your class to enjoy the beauty of math.

Multiples of Number Bonds of Ten

two lines

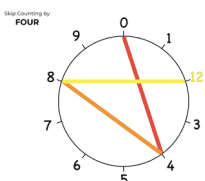


$$8+12=$$

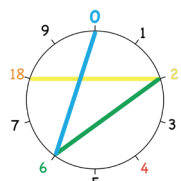


twenty

three lines

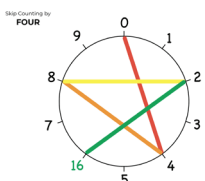


$$12+18=$$

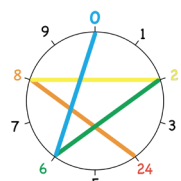


thirty

four lines

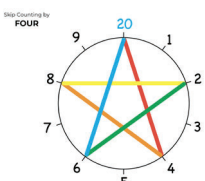


$$16+24=$$

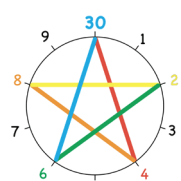


forty

five lines

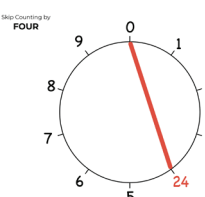


$$20+30=$$

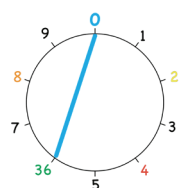


fifty

repeat



$$24+36=$$



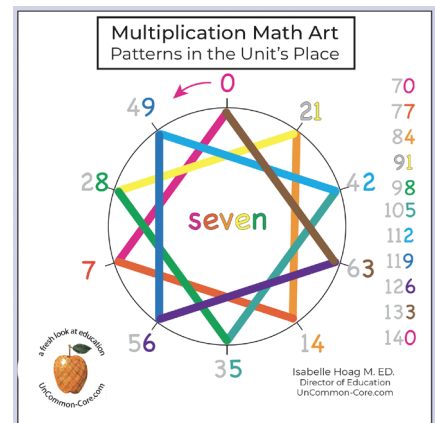
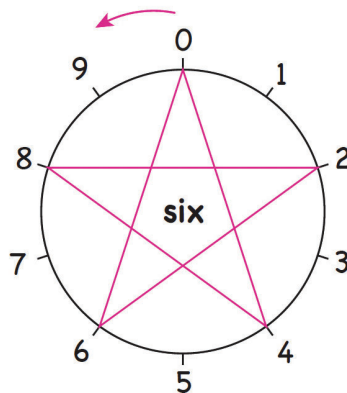
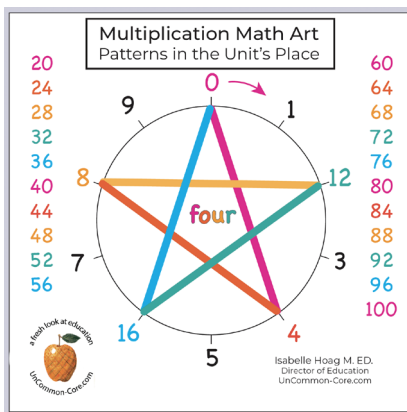
and so on

Teacher Tips

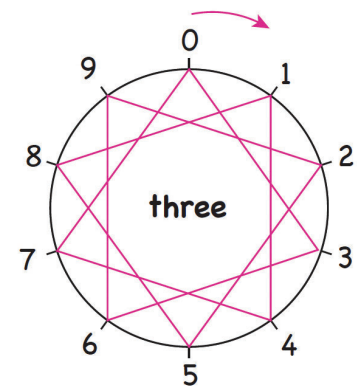
These problems can be solved at any point after your students have learned to carry when adding.

Have your students solve the problems vertically; *column by column*. They should complete one column before moving on to the next.

Each student should check their own work. Check the worksheets row by row. After checking, students might want to work in small groups to explore the number patterns and relationships. This will help students learn number bonds up to ten and multiplication facts fluently.



If your students have done **Multiplication Math Art; Patterns in the Unit's Place**, they will be familiar with these relationships already. Their work from **Multiplication Math Art** will help them make sense of the numerical relationships in this activity.



Focusing on the numbers in the unit's place will help students explore number pairs that add to ten with similar circle patterns - in opposite directions. Students will also notice how this fascinating relationship extends beyond pairs that add to ten.

Encourage the joys of discovery and the excitement of uncovering hidden mathematical relationships. This type of activity is an example of what mathematicians do when they are at work.

$1+3=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +22 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +24 \\ \hline \end{array}$$

$3+3=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +33 \\ \hline \end{array}$$

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

$$\begin{array}{r} 1 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +33 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +36 \\ \hline \end{array}$$

$3+4=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +60 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +44 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +48 \\ \hline \end{array}$$

$4+4=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +28 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 40 \\ +40 \\ \hline \end{array}$$

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

$$\begin{array}{r} 48 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +60 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +60 \\ \hline \end{array}$$

$1+7=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 2 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +49 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +70 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +77 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +60 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +60 \\ \hline \end{array}$$

$2+7=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 4 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +49 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +70 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +77 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +60 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ +55 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ +60 \\ \hline \end{array}$$

$4+6=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 8 \\ +12 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ +60 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ +66 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +20 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ +25 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +30 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ +50 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ +55 \\ \hline \end{array}$$

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

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +80 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +88 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +96 \\ \hline \end{array}$$

$1+9=$

Add

name: _____

Start with the column on the left.
Work your way across the page column by column.

$$\begin{array}{r} 2 \\ +18 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +27 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +36 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +45 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +54 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +81 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +90 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ +99 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +108 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +16 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +24 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +32 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ +40 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +48 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +72 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ +80 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +88 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +96 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +14 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +21 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ +28 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +35 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ +42 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +49 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ +56 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ +63 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ +70 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +77 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +84 \\ \hline \end{array}$$

Answer Key

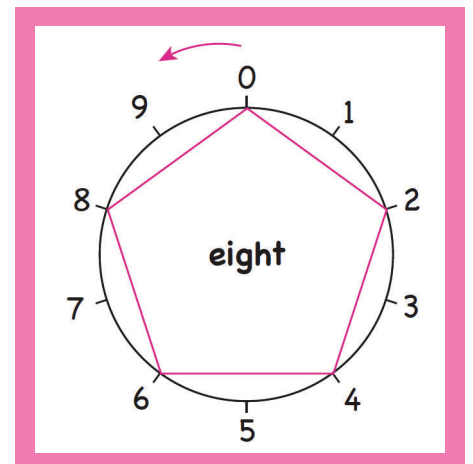
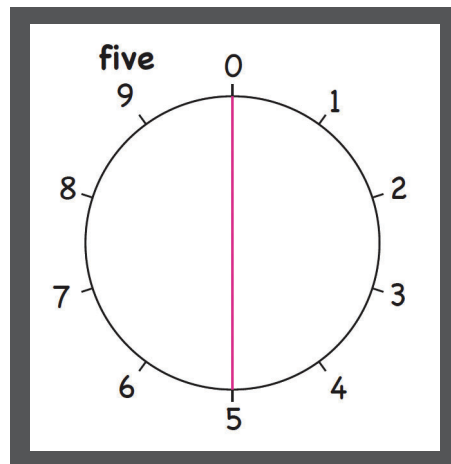
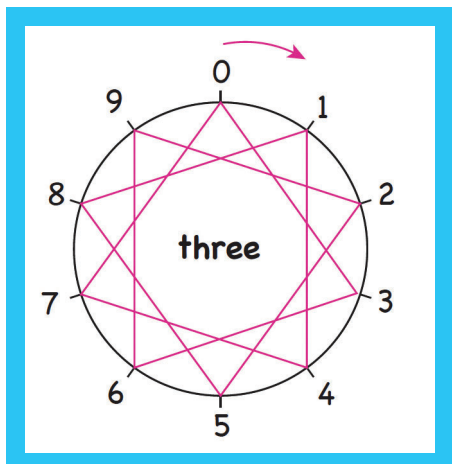
Solving problems vertically makes it difficult to see that the sums are arranged in a specific order. When your students check their work, they will see a pattern in the addition problems. Working across the page, left to right, the first, thirteenth, and twenty-fifth problems are the start of a new group of multiples from 1 -12.

For example, a group of problems on page five (below) starts with $3+5=8$. The addends in **blue** increase by **three**. The black numbers increase by five, and the **pink** numbers by **eight**. Bring your students' attention to the patterns in the unit's place. Notice how the patterns in the **threes** and fives coordinate to add up to the pattern in the **eights**. Discuss the situation slowly so everyone can understand.

Ask your students what number was multiplied by the **3**, **5**, & **8** to get to **6**, **10** & **16**. Help them see that the sums are multiples of **eight** - just as the addends are multiples of **three** and five. Let students connect each unit's place digit with the addends in the series of problems, step by step.

Feel free to express your amazement at how well numbers work together. Just as number bonds share 'part - part - whole' relationships, so do multiples of number bonds. (If $a+b=c$ then $2a+2b=2c$ and $3a+3b=3c$ and so on.)

		$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ +10 \\ \hline 16 \end{array}$	$\begin{array}{r} 9 \\ +15 \\ \hline 24 \end{array}$	$\begin{array}{r} 12 \\ +20 \\ \hline 32 \end{array}$	$\begin{array}{r} 15 \\ +25 \\ \hline 40 \end{array}$
$\begin{array}{r} 18 \\ +30 \\ \hline 48 \end{array}$	$\begin{array}{r} 21 \\ +35 \\ \hline 56 \end{array}$	$\begin{array}{r} 24 \\ +40 \\ \hline 64 \end{array}$	$\begin{array}{r} 27 \\ +45 \\ \hline 72 \end{array}$	$\begin{array}{r} 30 \\ +50 \\ \hline 80 \end{array}$	$\begin{array}{r} 33 \\ +55 \\ \hline 88 \end{array}$	$\begin{array}{r} 36 \\ +60 \\ \hline 96 \end{array}$



times one

$1+3=4$

Add

name: ANSWERS

x2

$$\begin{array}{r} 2 \\ +6 \\ \hline 8 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +9 \\ \hline 12 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +12 \\ \hline 16 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +15 \\ \hline 20 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +18 \\ \hline 24 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +21 \\ \hline 28 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +24 \\ \hline 32 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +27 \\ \hline 36 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +30 \\ \hline 40 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +33 \\ \hline 44 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +36 \\ \hline 48 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +2 \\ \hline 4 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +4 \\ \hline 8 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +10 \\ \hline 20 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +12 \\ \hline 24 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +14 \\ \hline 28 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +16 \\ \hline 32 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +18 \\ \hline 36 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +20 \\ \hline 40 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +22 \\ \hline 44 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +24 \\ \hline 48 \end{array}$$

x1

$$\begin{array}{r} 1 \\ +2 \\ \hline 3 \end{array}$$

x2

$$\begin{array}{r} 2 \\ +4 \\ \hline 6 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +6 \\ \hline 9 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +8 \\ \hline 12 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +10 \\ \hline 15 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +12 \\ \hline 18 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +14 \\ \hline 21 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +16 \\ \hline 24 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +18 \\ \hline 27 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +20 \\ \hline 30 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +22 \\ \hline 33 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +24 \\ \hline 36 \end{array}$$

times one

$3+3=6$

Add

name: ANSWERS

x2

$$\begin{array}{r} 6 \\ +6 \\ \hline 12 \end{array}$$

x3

$$\begin{array}{r} 9 \\ +9 \\ \hline 18 \end{array}$$

x4

$$\begin{array}{r} 12 \\ +12 \\ \hline 24 \end{array}$$

x5

$$\begin{array}{r} 15 \\ +15 \\ \hline 30 \end{array}$$

x6

$$\begin{array}{r} 18 \\ +18 \\ \hline 36 \end{array}$$

x7

$$\begin{array}{r} 21 \\ +21 \\ \hline 42 \end{array}$$

x8

$$\begin{array}{r} 24 \\ +24 \\ \hline 48 \end{array}$$

x9

$$\begin{array}{r} 27 \\ +27 \\ \hline 54 \end{array}$$

x10

$$\begin{array}{r} 30 \\ +30 \\ \hline 60 \end{array}$$

x11

$$\begin{array}{r} 33 \\ +33 \\ \hline 66 \end{array}$$

x12

$$\begin{array}{r} 36 \\ +36 \\ \hline 72 \end{array}$$

x1

$$\begin{array}{r} 1 \\ +4 \\ \hline 5 \end{array}$$

x2

$$\begin{array}{r} 2 \\ +8 \\ \hline 10 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +12 \\ \hline 15 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +16 \\ \hline 20 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +20 \\ \hline 25 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +24 \\ \hline 30 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +28 \\ \hline 35 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +32 \\ \hline 40 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +36 \\ \hline 45 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +40 \\ \hline 50 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +44 \\ \hline 55 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +48 \\ \hline 60 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +3 \\ \hline 5 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +6 \\ \hline 10 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +9 \\ \hline 15 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +12 \\ \hline 20 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +15 \\ \hline 25 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +18 \\ \hline 30 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +21 \\ \hline 35 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +24 \\ \hline 40 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +27 \\ \hline 45 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +30 \\ \hline 50 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +33 \\ \hline 55 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +36 \\ \hline 60 \end{array}$$

times one

$3+4=7$

Add

name: ANSWERS

x2

$$\begin{array}{r} 6 \\ +8 \\ \hline 14 \end{array}$$

x3

$$\begin{array}{r} 9 \\ +12 \\ \hline 21 \end{array}$$

x4

$$\begin{array}{r} 12 \\ +16 \\ \hline 28 \end{array}$$

x5

$$\begin{array}{r} 15 \\ +20 \\ \hline 35 \end{array}$$

x6

$$\begin{array}{r} 18 \\ +24 \\ \hline 42 \end{array}$$

x7

$$\begin{array}{r} 21 \\ +28 \\ \hline 49 \end{array}$$

x8

$$\begin{array}{r} 24 \\ +32 \\ \hline 56 \end{array}$$

x9

$$\begin{array}{r} 27 \\ +36 \\ \hline 63 \end{array}$$

x10

$$\begin{array}{r} 30 \\ +40 \\ \hline 70 \end{array}$$

x11

$$\begin{array}{r} 33 \\ +44 \\ \hline 77 \end{array}$$

x12

$$\begin{array}{r} 36 \\ +48 \\ \hline 84 \end{array}$$

x1

$$\begin{array}{r} 1 \\ +5 \\ \hline 6 \end{array}$$

x2

$$\begin{array}{r} 2 \\ +10 \\ \hline 12 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +15 \\ \hline 18 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +20 \\ \hline 24 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +25 \\ \hline 30 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +30 \\ \hline 36 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +35 \\ \hline 42 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +40 \\ \hline 48 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +45 \\ \hline 54 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +50 \\ \hline 60 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +55 \\ \hline 66 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +60 \\ \hline 72 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +4 \\ \hline 8 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +8 \\ \hline 12 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +12 \\ \hline 18 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +16 \\ \hline 24 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +20 \\ \hline 30 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +24 \\ \hline 36 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +28 \\ \hline 42 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +32 \\ \hline 48 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +36 \\ \hline 54 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +40 \\ \hline 60 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +44 \\ \hline 66 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +48 \\ \hline 72 \end{array}$$

times one

$4+4=8$

Add

name: ANSWERS

x2

$$\begin{array}{r} 8 \\ +8 \\ \hline 16 \end{array}$$

x3

$$\begin{array}{r} 12 \\ +12 \\ \hline 24 \end{array}$$

x4

$$\begin{array}{r} 16 \\ +16 \\ \hline 32 \end{array}$$

x5

$$\begin{array}{r} 20 \\ +20 \\ \hline 40 \end{array}$$

x6

$$\begin{array}{r} 24 \\ +24 \\ \hline 48 \end{array}$$

x7

$$\begin{array}{r} 28 \\ +28 \\ \hline 56 \end{array}$$

x8

$$\begin{array}{r} 32 \\ +32 \\ \hline 64 \end{array}$$

x9

$$\begin{array}{r} 36 \\ +36 \\ \hline 72 \end{array}$$

x10

$$\begin{array}{r} 40 \\ +40 \\ \hline 80 \end{array}$$

x11

$$\begin{array}{r} 44 \\ +44 \\ \hline 88 \end{array}$$

x12

$$\begin{array}{r} 48 \\ +48 \\ \hline 96 \end{array}$$

x1

$$\begin{array}{r} 1 \\ +6 \\ \hline 7 \end{array}$$

x2

$$\begin{array}{r} 2 \\ +12 \\ \hline 14 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +18 \\ \hline 21 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +24 \\ \hline 28 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +30 \\ \hline 35 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +36 \\ \hline 42 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +42 \\ \hline 49 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +48 \\ \hline 54 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +54 \\ \hline 63 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +60 \\ \hline 70 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +66 \\ \hline 77 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +72 \\ \hline 84 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +5 \\ \hline 7 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +10 \\ \hline 14 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +15 \\ \hline 21 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +20 \\ \hline 28 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +25 \\ \hline 35 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +30 \\ \hline 42 \end{array}$$

x7

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x9

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x10

$$\begin{array}{r} 20 \\ +50 \\ \hline 70 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +55 \\ \hline 77 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +60 \\ \hline 84 \end{array}$$

times one

$1+7=8$

Add

name: ANSWERS

x2

$$\begin{array}{r} 2 \\ +14 \\ \hline 16 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +21 \\ \hline 24 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +28 \\ \hline 32 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +35 \\ \hline 40 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +42 \\ \hline 48 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +49 \\ \hline 56 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +56 \\ \hline 64 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +63 \\ \hline 72 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +70 \\ \hline 80 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +77 \\ \hline 88 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +84 \\ \hline 96 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +6 \\ \hline 8 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +12 \\ \hline 16 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +18 \\ \hline 24 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +24 \\ \hline 32 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +30 \\ \hline 40 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +36 \\ \hline 48 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +42 \\ \hline 56 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +48 \\ \hline 64 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +54 \\ \hline 72 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +60 \\ \hline 80 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +66 \\ \hline 88 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +72 \\ \hline 96 \end{array}$$

x1

$$\begin{array}{r} 3 \\ +5 \\ \hline 8 \end{array}$$

x2

$$\begin{array}{r} 6 \\ +10 \\ \hline 16 \end{array}$$

x3

$$\begin{array}{r} 9 \\ +15 \\ \hline 24 \end{array}$$

x4

$$\begin{array}{r} 12 \\ +20 \\ \hline 32 \end{array}$$

x5

$$\begin{array}{r} 15 \\ +25 \\ \hline 40 \end{array}$$

x6

$$\begin{array}{r} 18 \\ +30 \\ \hline 48 \end{array}$$

x7

$$\begin{array}{r} 21 \\ +35 \\ \hline 56 \end{array}$$

x8

$$\begin{array}{r} 24 \\ +40 \\ \hline 64 \end{array}$$

x9

$$\begin{array}{r} 27 \\ +45 \\ \hline 72 \end{array}$$

x10

$$\begin{array}{r} 30 \\ +50 \\ \hline 80 \end{array}$$

x11

$$\begin{array}{r} 33 \\ +55 \\ \hline 88 \end{array}$$

x12

$$\begin{array}{r} 36 \\ +60 \\ \hline 96 \end{array}$$

times one

$2+7=9$

Add

name: ANSWERS

x2

$$\begin{array}{r} 4 \\ +14 \\ \hline 18 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +21 \\ \hline 27 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +28 \\ \hline 36 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +35 \\ \hline 45 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +42 \\ \hline 54 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +49 \\ \hline 63 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +56 \\ \hline 72 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +63 \\ \hline 81 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +70 \\ \hline 90 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +77 \\ \hline 99 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +84 \\ \hline 108 \end{array}$$

x1

$$\begin{array}{r} 3 \\ +6 \\ \hline 9 \end{array}$$

x2

$$\begin{array}{r} 6 \\ +12 \\ \hline 18 \end{array}$$

x3

$$\begin{array}{r} 9 \\ +18 \\ \hline 27 \end{array}$$

x4

$$\begin{array}{r} 12 \\ +24 \\ \hline 36 \end{array}$$

x5

$$\begin{array}{r} 15 \\ +30 \\ \hline 45 \end{array}$$

x6

$$\begin{array}{r} 18 \\ +36 \\ \hline 54 \end{array}$$

x7

$$\begin{array}{r} 21 \\ +42 \\ \hline 63 \end{array}$$

x8

$$\begin{array}{r} 24 \\ +48 \\ \hline 72 \end{array}$$

x9

$$\begin{array}{r} 27 \\ +54 \\ \hline 81 \end{array}$$

x10

$$\begin{array}{r} 30 \\ +60 \\ \hline 90 \end{array}$$

x11

$$\begin{array}{r} 33 \\ +66 \\ \hline 99 \end{array}$$

x12

$$\begin{array}{r} 36 \\ +72 \\ \hline 108 \end{array}$$

x1

$$\begin{array}{r} 4 \\ +5 \\ \hline 9 \end{array}$$

x2

$$\begin{array}{r} 8 \\ +10 \\ \hline 18 \end{array}$$

x3

$$\begin{array}{r} 12 \\ +15 \\ \hline 27 \end{array}$$

x4

$$\begin{array}{r} 16 \\ +20 \\ \hline 36 \end{array}$$

x5

$$\begin{array}{r} 20 \\ +25 \\ \hline 45 \end{array}$$

x6

$$\begin{array}{r} 24 \\ +30 \\ \hline 54 \end{array}$$

x7

$$\begin{array}{r} 28 \\ +35 \\ \hline 63 \end{array}$$

x8

$$\begin{array}{r} 32 \\ +40 \\ \hline 72 \end{array}$$

x9

$$\begin{array}{r} 36 \\ +45 \\ \hline 81 \end{array}$$

x10

$$\begin{array}{r} 40 \\ +50 \\ \hline 90 \end{array}$$

x11

$$\begin{array}{r} 44 \\ +55 \\ \hline 99 \end{array}$$

x12

$$\begin{array}{r} 48 \\ +60 \\ \hline 108 \end{array}$$

times one
 $4+6=10$

Add

name: ANSWERS

x2

$$\begin{array}{r} 8 \\ +12 \\ \hline 20 \end{array}$$

x3

$$\begin{array}{r} 12 \\ +18 \\ \hline 30 \end{array}$$

x4

$$\begin{array}{r} 16 \\ +24 \\ \hline 40 \end{array}$$

x5

$$\begin{array}{r} 20 \\ +30 \\ \hline 50 \end{array}$$

x6

$$\begin{array}{r} 24 \\ +36 \\ \hline 60 \end{array}$$

x7

$$\begin{array}{r} 28 \\ +42 \\ \hline 70 \end{array}$$

x8

$$\begin{array}{r} 32 \\ +48 \\ \hline 80 \end{array}$$

x9

$$\begin{array}{r} 36 \\ +54 \\ \hline 90 \end{array}$$

x10

$$\begin{array}{r} 40 \\ +60 \\ \hline 100 \end{array}$$

x11

$$\begin{array}{r} 44 \\ +66 \\ \hline 110 \end{array}$$

x12

$$\begin{array}{r} 48 \\ +72 \\ \hline 120 \end{array}$$

x1

$$\begin{array}{r} 5 \\ +5 \\ \hline 10 \end{array}$$

x2

$$\begin{array}{r} 10 \\ +10 \\ \hline 20 \end{array}$$

x3

$$\begin{array}{r} 15 \\ +15 \\ \hline 30 \end{array}$$

x4

$$\begin{array}{r} 20 \\ +20 \\ \hline 40 \end{array}$$

x5

$$\begin{array}{r} 25 \\ +25 \\ \hline 50 \end{array}$$

x6

$$\begin{array}{r} 30 \\ +30 \\ \hline 60 \end{array}$$

x7

$$\begin{array}{r} 35 \\ +35 \\ \hline 70 \end{array}$$

x8

$$\begin{array}{r} 40 \\ +40 \\ \hline 80 \end{array}$$

x9

$$\begin{array}{r} 45 \\ +45 \\ \hline 90 \end{array}$$

x10

$$\begin{array}{r} 50 \\ +50 \\ \hline 100 \end{array}$$

x11

$$\begin{array}{r} 55 \\ +55 \\ \hline 110 \end{array}$$

x12

$$\begin{array}{r} 60 \\ +60 \\ \hline 120 \end{array}$$

x1

$$\begin{array}{r} 1 \\ +8 \\ \hline 9 \end{array}$$

x2

$$\begin{array}{r} 2 \\ +16 \\ \hline 18 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +24 \\ \hline 27 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +32 \\ \hline 36 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +40 \\ \hline 45 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +48 \\ \hline 54 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +56 \\ \hline 63 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +64 \\ \hline 72 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +72 \\ \hline 81 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +80 \\ \hline 90 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +88 \\ \hline 99 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +96 \\ \hline 108 \end{array}$$

times one

$1+9=10$

Add

name: ANSWERS

x2

$$\begin{array}{r} 2 \\ +18 \\ \hline 20 \end{array}$$

x3

$$\begin{array}{r} 3 \\ +27 \\ \hline 30 \end{array}$$

x4

$$\begin{array}{r} 4 \\ +36 \\ \hline 40 \end{array}$$

x5

$$\begin{array}{r} 5 \\ +45 \\ \hline 50 \end{array}$$

x6

$$\begin{array}{r} 6 \\ +54 \\ \hline 60 \end{array}$$

x7

$$\begin{array}{r} 7 \\ +63 \\ \hline 70 \end{array}$$

x8

$$\begin{array}{r} 8 \\ +72 \\ \hline 80 \end{array}$$

x9

$$\begin{array}{r} 9 \\ +81 \\ \hline 90 \end{array}$$

x10

$$\begin{array}{r} 10 \\ +90 \\ \hline 100 \end{array}$$

x11

$$\begin{array}{r} 11 \\ +99 \\ \hline 110 \end{array}$$

x12

$$\begin{array}{r} 12 \\ +108 \\ \hline 120 \end{array}$$

x1

$$\begin{array}{r} 2 \\ +8 \\ \hline 10 \end{array}$$

x2

$$\begin{array}{r} 4 \\ +16 \\ \hline 20 \end{array}$$

x3

$$\begin{array}{r} 6 \\ +24 \\ \hline 30 \end{array}$$

x4

$$\begin{array}{r} 8 \\ +32 \\ \hline 40 \end{array}$$

x5

$$\begin{array}{r} 10 \\ +40 \\ \hline 50 \end{array}$$

x6

$$\begin{array}{r} 12 \\ +48 \\ \hline 60 \end{array}$$

x7

$$\begin{array}{r} 14 \\ +56 \\ \hline 70 \end{array}$$

x8

$$\begin{array}{r} 16 \\ +64 \\ \hline 80 \end{array}$$

x9

$$\begin{array}{r} 18 \\ +72 \\ \hline 90 \end{array}$$

x10

$$\begin{array}{r} 20 \\ +80 \\ \hline 100 \end{array}$$

x11

$$\begin{array}{r} 22 \\ +88 \\ \hline 110 \end{array}$$

x12

$$\begin{array}{r} 24 \\ +96 \\ \hline 120 \end{array}$$

x1

$$\begin{array}{r} 3 \\ +7 \\ \hline 10 \end{array}$$

x2

$$\begin{array}{r} 6 \\ +14 \\ \hline 20 \end{array}$$

x3

$$\begin{array}{r} 9 \\ +21 \\ \hline 30 \end{array}$$

x4

$$\begin{array}{r} 12 \\ +28 \\ \hline 40 \end{array}$$

x5

$$\begin{array}{r} 15 \\ +35 \\ \hline 50 \end{array}$$

x6

$$\begin{array}{r} 18 \\ +42 \\ \hline 60 \end{array}$$

x7

$$\begin{array}{r} 21 \\ +49 \\ \hline 70 \end{array}$$

x8

$$\begin{array}{r} 24 \\ +56 \\ \hline 80 \end{array}$$

x9

$$\begin{array}{r} 27 \\ +63 \\ \hline 90 \end{array}$$

x10

$$\begin{array}{r} 30 \\ +70 \\ \hline 100 \end{array}$$

x11

$$\begin{array}{r} 33 \\ +77 \\ \hline 110 \end{array}$$

x12

$$\begin{array}{r} 36 \\ +84 \\ \hline 120 \end{array}$$

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