

Name: _____

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

2	4	1	3		3	2
1	3	2			4	1
2	4	1		1	3	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

2 1 4 3

2	4	1	4	2	3	1
1	3	2	3	1	4	2
2	4	1		2	3	1
1	3				4	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

3 1 4 2

1	2		3		3	1	
4		1		4			3
1	2	4	3		3	1	2

Hint - These numbers are missing:

2 2 1 2 4 1 3 4

	2	1	2	1		1	
4	3	4	3	4	3	4	
1			2		2	1	

Hint - These numbers are missing:

3 1 3 2 2 2 1 1

Circle the digit in the hundredths place.

364.7378

8 x 5 = _____

13 lb = _____ oz

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Fill in the missing numbers.

	4	1		2		1
2	3		3	1	3	
	4	1	4		4	1
2			3	1		2

Hint - These numbers are missing:

2 2 1 4 3
2 2 3 1 4

	3	2	3		4	
2						1
1			3	1		2
2	4	1	4	2		

Hint - These numbers are missing:

4 1 3 1 1 2 1
2 3 3 4 2 4

3	2	4		3	2
		3	2		
	2			3	2
	1	3	2		1

Hint - These numbers are missing:

4 4 4 4 1
1 1 1 4 3

3		4		3	
4		3		4	1
	1	4	2		2
		3	1		1

Hint - These numbers are missing:

4 3 1 1 2
2 2 4 2 3

April rolls a die. What is the chance of her rolling a 1?

1 km = 1,000 m

17 km = _____ m

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Draw a line from START to END.

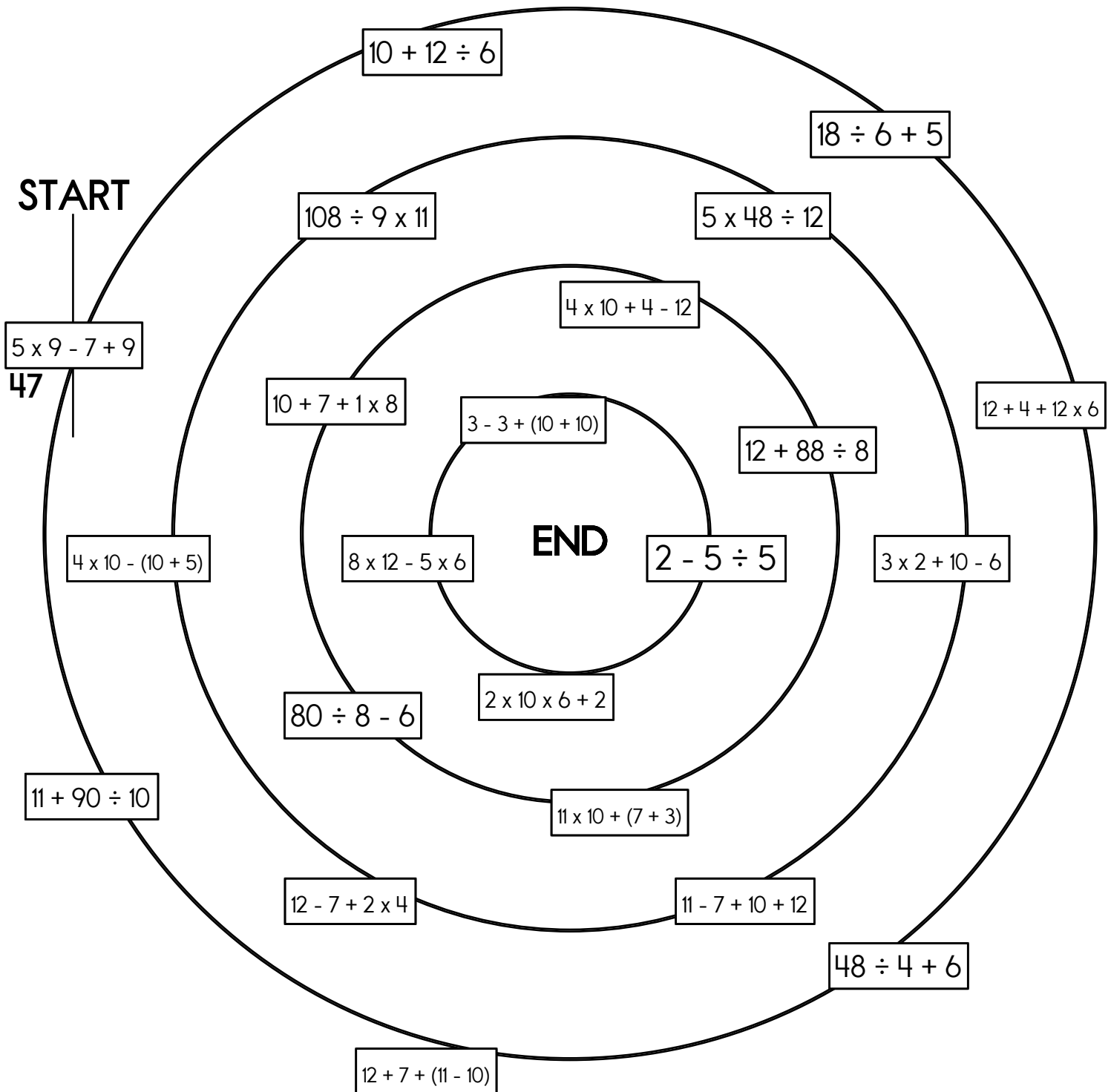
66

132

~~47~~

4

Cross out the number you use above and then write it below.



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Fill in each box of the edHelperKu puzzle, using the numbers from 1 to 5.

Every row must contain the numbers 1, 2, 3, 4, and 5.

Every column must contain the numbers 1, 2, 3, 4, and 5.

In a cage with a plus sign, the given number will be the sum of all the digits in the cage.

3	7+		10+	11+ 4
6+				
9+	2	4+		
	9+	5+		9+
2			5	

Fill in the blanks. These equations are from the puzzle above.

$$\underline{\quad} + 2 = 7$$

$$\underline{\quad} + 3 = 4$$

$$\underline{\quad} + 4 + \underline{\quad} = 10$$

$$3 + \underline{\quad} = 5$$

$$4 + \underline{\quad} = 9$$

$$\underline{\quad} + \underline{\quad} + 2 = 6$$

$$\underline{\quad} + 1 + \underline{\quad} = 9$$

$$4 + \underline{\quad} + \underline{\quad} = 11$$

$$\underline{\quad} + \underline{\quad} + 5 = 9$$

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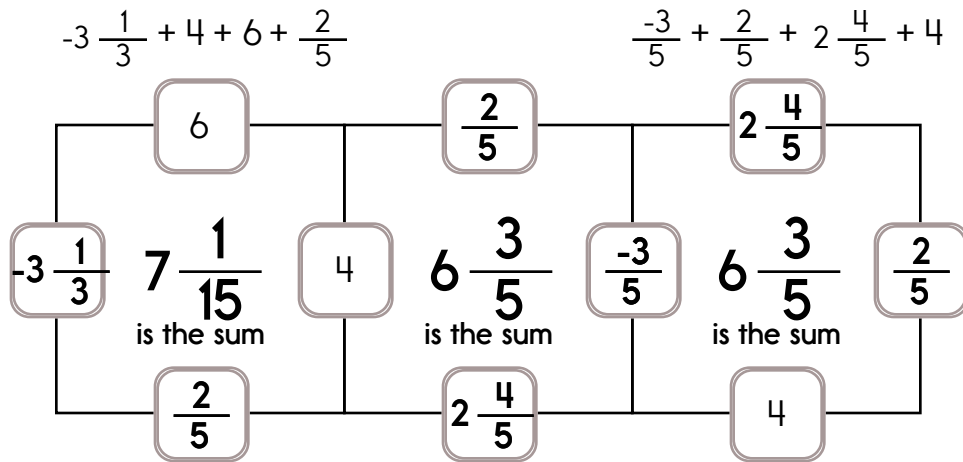
Find the way from START to END by passing through EVERY number that is a multiple of five exactly ONCE. Cross off each box that is NOT a multiple of five. Yes, that means you have to go through ALL the multiple of five boxes. Wow! You are not allowed to go diagonally. Good luck!

START	360	70	910	0	106	47	712	434	624
210	420	965	815	900	180	446	181	773	652
585	410	875	955	525	535	37	445	465	735
752	80	510	850	640	122	353	215	95	245
679	470	560	190	815	5	525	640	365	809
686	71	65	455	375	230	130	985	580	810
353	588	605	225	25	495	220	435	768	235
122	18	665	550	270	530	420	995	473	910
142	431	894	506	890	265	20	145	966	590
478	361	947	269	185	825	805	300	223	END

Name: _____

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

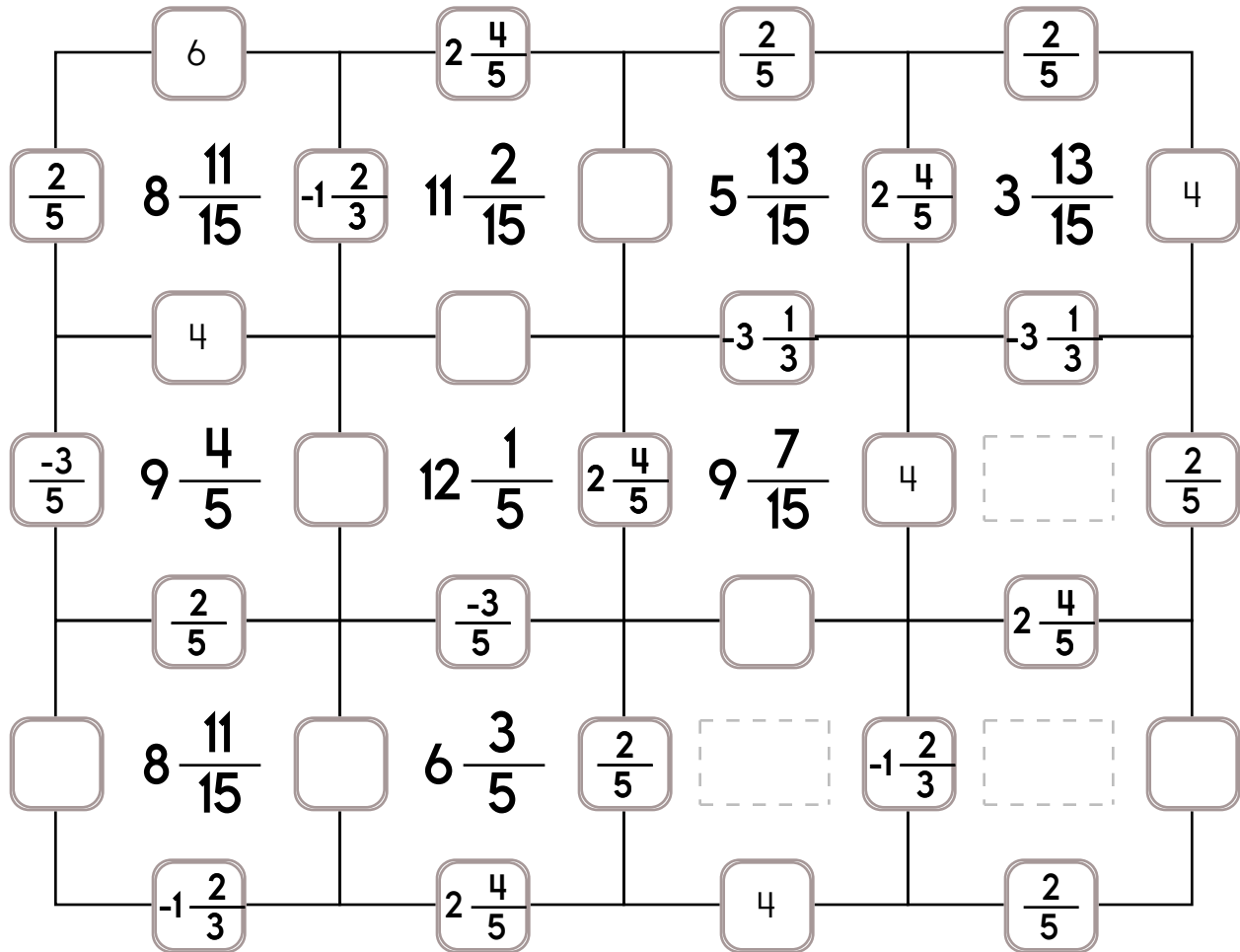
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $\frac{-3}{5}$, $-1\frac{2}{3}$, or $-3\frac{1}{3}$.

The other three numbers have to all be DIFFERENT and must be from these: 4, $\frac{2}{5}$, $2\frac{4}{5}$, or 6.



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Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers: $-2\frac{2}{3}$, $-2\frac{1}{3}$, or $-3\frac{3}{4}$.

The other three numbers have to all be DIFFERENT and must be from these: 9, $5\frac{2}{3}$, $1\frac{2}{3}$, or 8.

	$-2\frac{2}{3}$		$1\frac{2}{3}$		$5\frac{2}{3}$		$-2\frac{2}{3}$	
8	20	9		$-3\frac{3}{4}$	$18\frac{11}{12}$		20	9
	$5\frac{2}{3}$		$5\frac{2}{3}$				$5\frac{2}{3}$	
$-2\frac{1}{3}$	14	$1\frac{2}{3}$	$11\frac{7}{12}$	$-3\frac{3}{4}$	$14\frac{11}{12}$		13	$-2\frac{1}{3}$
				$1\frac{2}{3}$		$1\frac{2}{3}$		
$5\frac{2}{3}$	14	$-2\frac{1}{3}$	$20\frac{1}{3}$	$5\frac{2}{3}$	$12\frac{7}{12}$		$13\frac{2}{3}$	$-2\frac{2}{3}$
	$1\frac{2}{3}$			$-3\frac{3}{4}$		$5\frac{2}{3}$		
$5\frac{2}{3}$	13	$-2\frac{1}{3}$	$20\frac{1}{3}$		$14\frac{11}{12}$	$1\frac{2}{3}$	$12\frac{7}{12}$	$-3\frac{3}{4}$
			$5\frac{2}{3}$					
$1\frac{2}{3}$	16		20	$-2\frac{2}{3}$		$5\frac{2}{3}$		$-3\frac{3}{4}$
	$-2\frac{2}{3}$			$1\frac{2}{3}$				

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Draw a line to match each problem with the same answer.

78% of 200



100% of 156

40% of 70



26% of 150

97% of 100



31% of 100

35% of 40



28% of 100

60% of 145



87% of 100

65% of 60



14% of 100

62% of 50



50% of 194

69% of 100



92% of 75

$$\begin{array}{r}
 6.924 \\
 26.548 \\
 7.86 \\
 2.13 \\
 + 2.37 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 44,665 \\
 - 639 \\
 \hline
 \end{array}$$

Convert to a fraction or mixed number and simplify.

$$0.8 =$$

$$0.857 =$$

$$66.73 =$$

$$9.553 =$$

$$44.86 =$$

$$7.7 =$$

Change 20% to a decimal and a fraction expressed in its lowest terms.

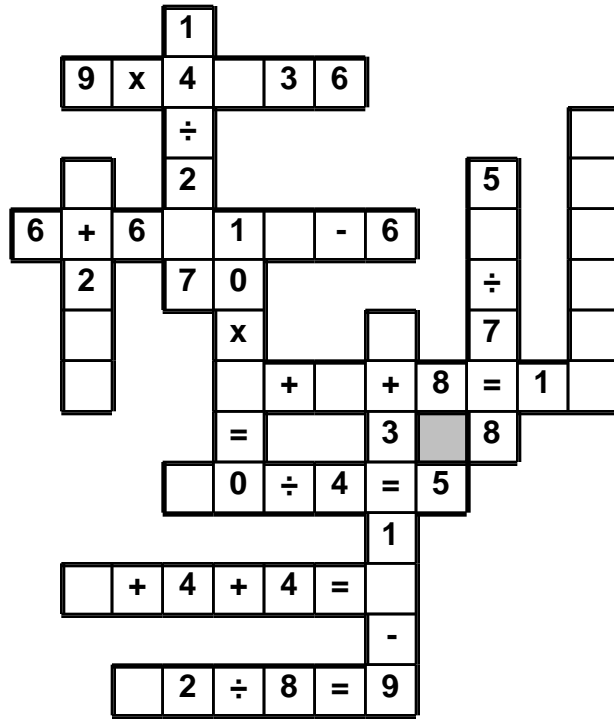
Change $\frac{448}{48}$ to a mixed number.

$$\begin{array}{r}
 7 \\
 - 5\frac{1}{7} \\
 \hline
 \end{array}$$

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= • 1 • 1 • 5 • = • 8 • 6 • ÷ • 3 • = • 6 • = • 3 • 0 • 7 • 5
 2 • 0 • 8 • 7

Use the pieces above to help you fill in the runaway math puzzle.



22, 33, 44, 55, 66, 77,
 _____, 99

What is the remainder of
 52 divided by 6?

In what quadrant would
 you find the point (-11, 17)?

Circle the percentage that
 is closest to 32 out of 50:
 85%
 35%
 85%
 6%

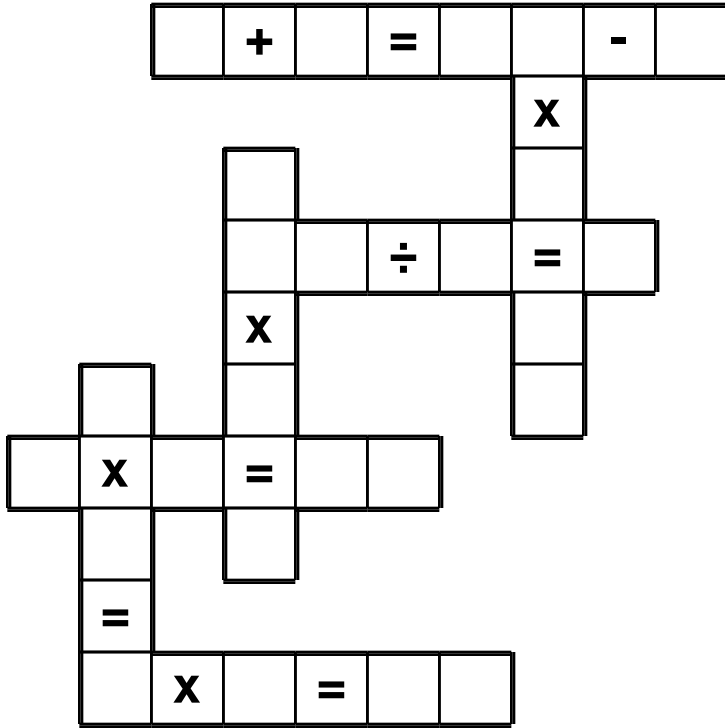
(0.4)(0.15)

$42 \div 6 + 4$

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0 • 8 • 1 • 6 • 8 • 1 • 2 • 1 • 4 • 7 • 2 • 1 • 3 • 0 • 2 • 4 • 4 • 1
6 • 3 • 0 • 9 • 7 • 6 • 3

Use the pieces above to help you fill in the runaway math puzzle.



$$\begin{array}{r} 12 \\ 25 \\ + 46 \\ \hline \end{array}$$

63 is what percent of 210?

Write the decimal in words.
11.44444

Reduce $\frac{30}{39}$ to its lowest terms.

Find 70% of 117.

Write the decimal number for:
eight hundred sixty and two hundredths

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Make change. You can use \$20, \$10, \$5, \$1, 25¢, 10¢, 5¢, or 1¢.

Make \$46.32 any way you want!

Make \$36.36 any way you want!

Make \$54.27 any way you want!

Make \$55.28 any way you want!

Name: _____

ACROSS

1. Average of 17-Down and 8-Down
3. Eight times 15-Across
6. What is the lowest common multiple of 15-Across and 11-Across?
8. Five more than 12-Across
9. What is the lowest common multiple of 17-Down and 8-Down?
10. One-fourth of 14-Down
11. **3**
12. Nine less than 8-Down
14. 15
15. What is the greatest common factor of 14-Across and 11-Across?
16. Its digits total 32
19. Average of 11-Across and 6-Across
20. 3-Across plus 6-Across
21. four million, one hundred thirty-four thousand, two hundred sixty-one

DOWN

2. What is the greatest common factor of 20 and 36?
3. Average of 4-Down and 17-Down
4. four hundred sixty-two thousand, eight hundred seven
5. How many factors does 54 have?
7. First prime number after 1-Across
8. First prime number after 14-Across
11. Average of 15-Across and 6-Across
13. How many factors does 10 have?
14. The factors of 32 are 1, 2, 4, 8, __, 32.
16. How many factors does 24 have?
17. First composite number after 12-Across
18. What is the lowest common multiple of 12-Across and 14-Across?
22. What is the greatest common factor of 26 and 28?

