Name: _____

Fill in the blanks by adding the two numbers below each hexagon.

14

9   5

11

4

15

3   3   6

32

9   9   5

31

6   9   7

23

6   7   3

21

3   7   4

25

5   9   2
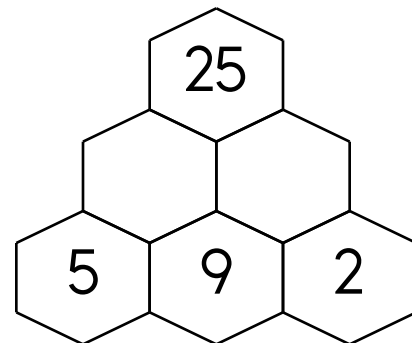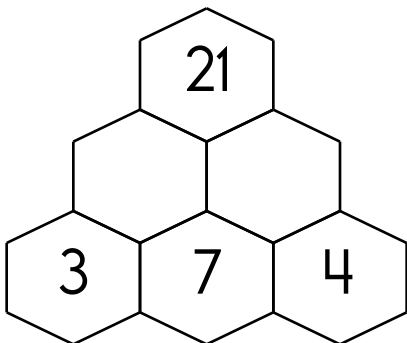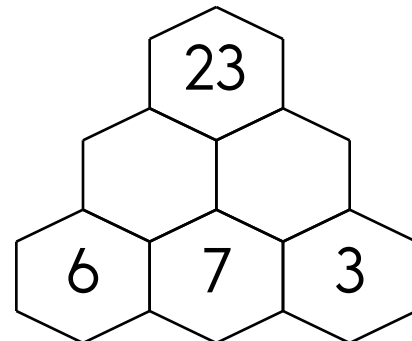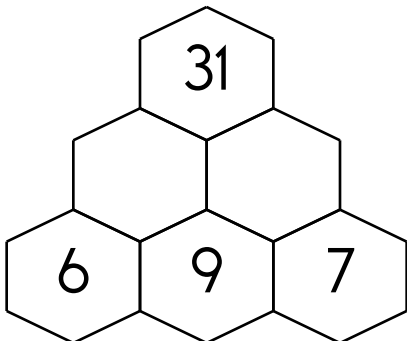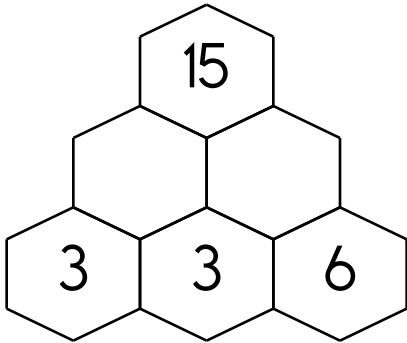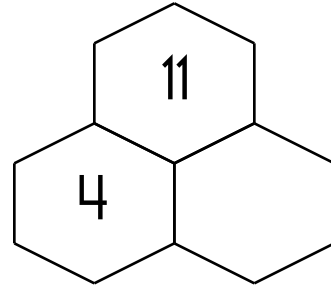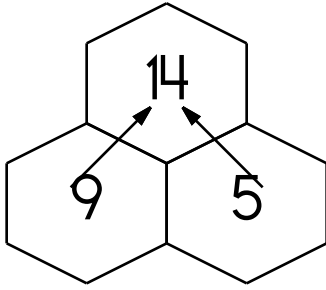
| 7 + ☐ = 18 | 15 + ☐ = 20 | 4 + ☐ = 8 | 4 + ☐ = 12 |
| 4 + ☐ = 6 | 22 + ☐ = 32 | 6 + ☐ = 24 | 14 + ☐ = 21 |

edHelper.com/math-puzzle-worksheets.htm

Math Puzzles

Name: _____

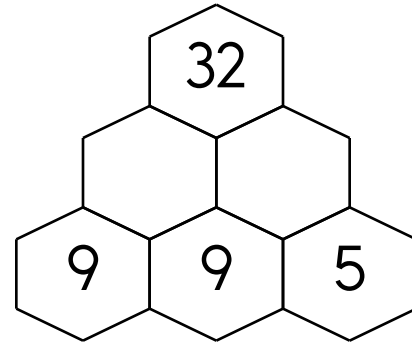Fill in the missing numbers.

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.

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

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

4   3   1   2

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

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

4   3   1   2

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

Hint - These numbers are missing:

1   1   4   1   4   1

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

Hint - These numbers are missing:

2   4   3   1   3

11 - 7 = [   ]   1 + 8 = [   ]   9 + 3 = [   ]   10 - 2 = [   ]

Name: _____

Fill in the missing numbers.

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

Hint - These numbers are missing:

3   4   4   1   1   4

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

Hint - These numbers are missing:

2   1   1   1   4   2   1

			4
1	3	1	
4		4	2
	1	3	1

Hint - These numbers are missing:

3   2   3   4   2   2

2	1	2	
	4	3	4
1		1	
	4		4

Hint - These numbers are missing:

3   1   2   3   3   2

6 less than 546

3 thousands, 5 ones, 9 tens, 7 hundreds

$$\begin{array}{r} 3\ 6\ 8 \\ +\ \ 9\ 2 \\ \hline \end{array}$$

Name: _____

Draw a line from START to END.

273 - 22   497 + 40   ~~172 + 38~~

113 + 26

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

START

48

235

12

254

152

210

172 + 38

211

76

537

301

560   END   539

139

251

538

140

8

141

252

273

213

222
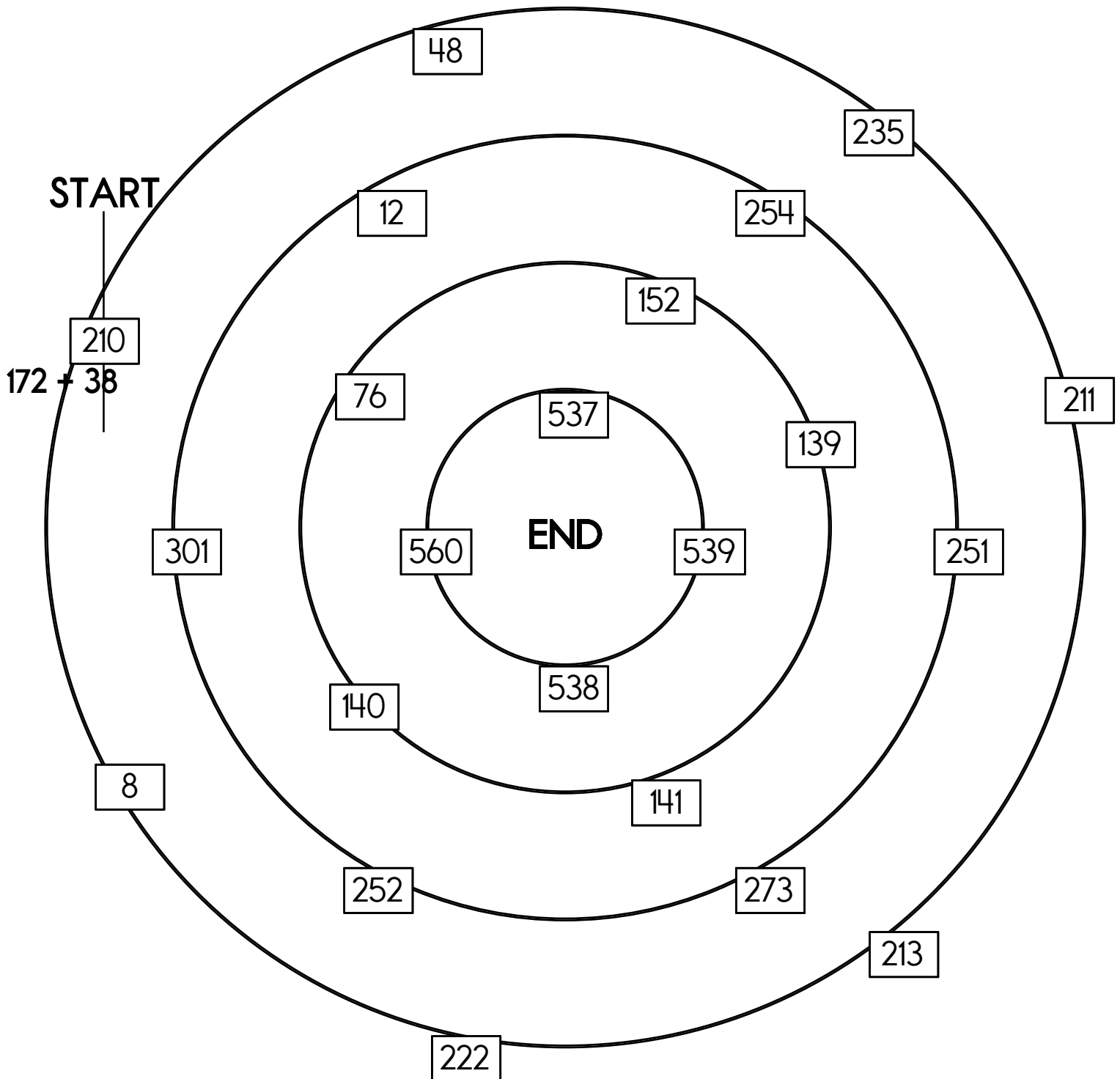
Name: _____

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

Make **$43.17** using bills and coins.

| | | | | $1 |

(10¢) ( ) ( ) ( )

Show a different way to make **$43.17** using a different number of bills or coins.

Make **$42.15** using bills and coins.

Show a different way to make **$42.15** using a different number of bills or coins.

Circle the best estimate for the answer to:

282 + 2,512

3,800   3,400   2,800   3,500

```
  2 6
  2 2
+ 3 0
```

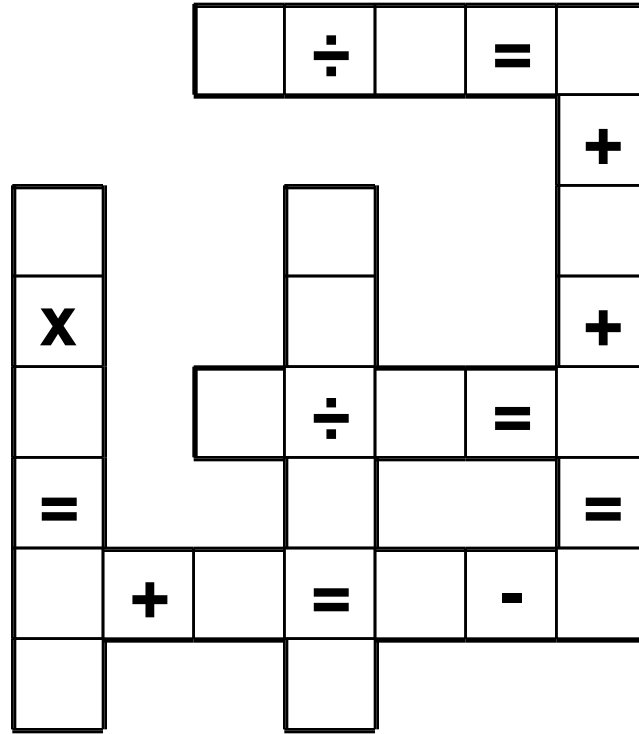5)‾45‾   7)‾35‾

Name: _____

0 • 1 • 0 • 2 • 3 • 3 • 6 • 5 • 4 • 1 • 4 • 6 • 1 • 1 • 9 • 7 • 0 • 6

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

It is 8:48 when Rose leaves her house. She arrives at school at 9:07. How much time has passed?

How many hours are there from 9 a.m. to 8 p.m.?

14, _____, 18, 20, 22, 24

Circle the odd numbers.

52   58   49   53

81   35   56   74   40

47   62   45   47

8 ___ 4 ___ 4 = 8

Mary is three years younger than her older sister, Amy. Amy is thirteen years old. What is the sum of their ages?

Name: _____

Complete each pattern.

r, t, r, t, ___, t, r, t, r, t, r, t, r, t

2, 6, 9, 2, 6, 9, 2, 6, ___, ___, 6, 9

8, ___, ___, 8, 4, 2, 8, 4, 2, 8, 4, 2, 8

Find the missing numbers. These both have the same rule. What is the rule?

If

   1 , 11 = 12

   2 , 16 = 18

   3 , 18 = 21

   4 , 22 = 26

Then

   5 , 27 = ?

If

   7 , 6 = 13

   8 , 9 = 17

   9 , 14 = 23

   10 , 18 = 28

Then

   11 , 22 = ?

Name: _____

Match each pattern to its rule.

- 8	●	●	+ 6
+ 5	●	●	13, 9, 5, 1
+ 9	●	●	3, 8, 13, 18
- 9	●	●	1, 10, 19, 28
- 4	●	●	25, 17, 9, 1
9, 15, 21, 27	●	●	28, 19, 10, 1

10, _____, 30, 40, 50, 60, 70, 80, 90

In nine hours it will be midnight. What time is it now?

6 + 5 - 4 + 6 - 1

Write an even number.

F, H, _____, L, N, P, R, T, V, X, Z

35, 40, _____, 50, 55, 60

Circle the number that is smallest.

7,400   7,004

7,040

Round 76 to the nearest 10.
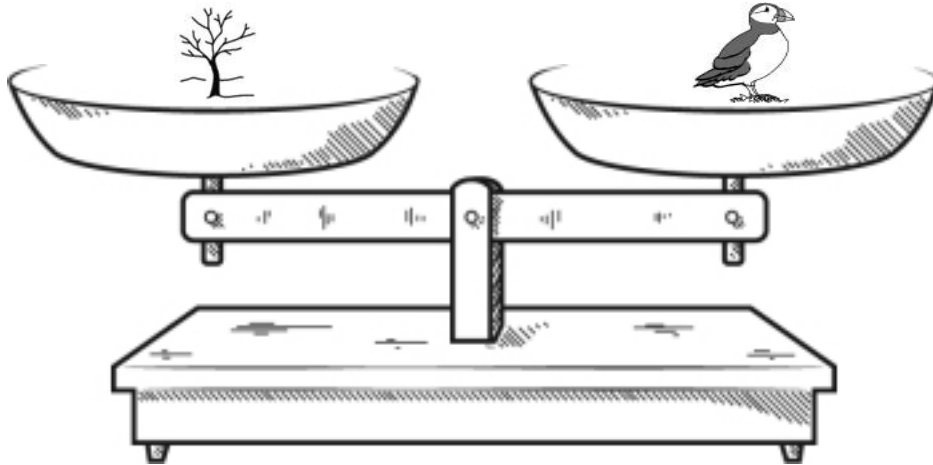
If you know
 76 + 28 = 104
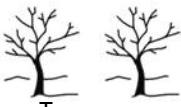Then what is 76 + 26?

5 + ☐ = 13   8 + ☐ = 39   14 + ☐ = 28   9 + ☐ = 30

Name: _____

Look at the balance. What does it tell you? Write a sentence to explain.

_____

True ☐   False ☐

True ☐   False ☐

True ☐   False ☐

True ☐   False ☐

Did you find that one is true? If not, look again!
You should only mark TRUE if you are absolutely sure it is correct!

64, _____, 76, 82, 88, 94, 100

$$\begin{array}{r} 5\ 7 \\ +\quad 6 \\ \hline \end{array}$$

2 less than 842

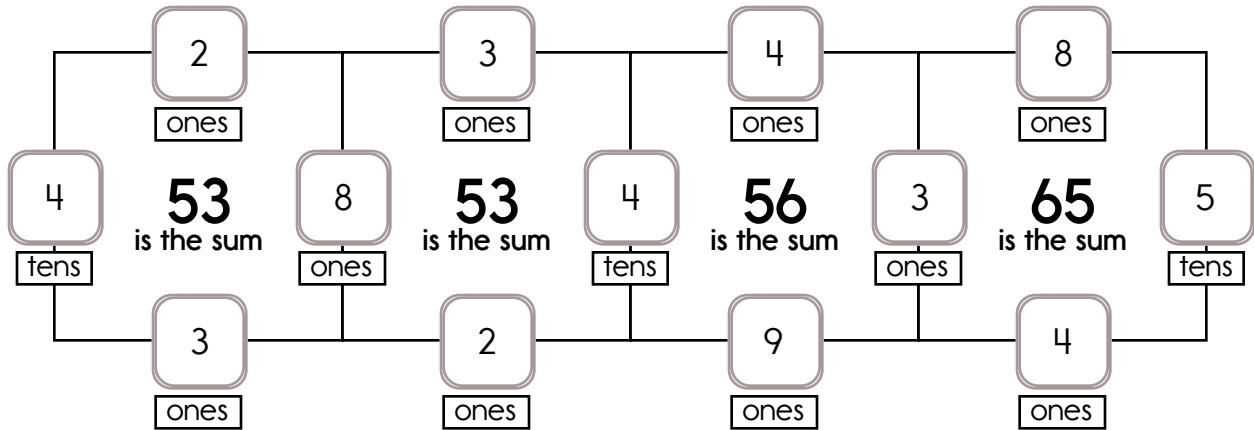word root **brev** can mean **short**   abbreviation, brevity

Name: _____

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

Example:

$40 + 8 + 2 + 3 = 53$ $40 + 3 + 4 + 9 = 56$

2 ones   3 ones   4 ones   8 ones

4 tens **53** is the sum   8 ones   **53** is the sum   4 tens   **56** is the sum   3 ones   **65** is the sum   5 tens

3 ones   2 ones   9 ones   4 ones

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

4 tens   3 ones   2 ones   4 tens

4 ones   **54**   2 ones   4 ones   8 ones   4 ones

8 ones   5 tens   5 tens   3 ones

3 ones   4 ones   3 ones   4 ones   5 tens

4 tens   8 ones   9 ones   9 ones

4 ones   2 ones   4 ones   2 ones   9 tens

3 ones   4 tens   5 tens   4 ones

6 - 1 = ☐   13 - 9 = ☐   12 - 6 = ☐   1 + 7 = ☐

Name: _____

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

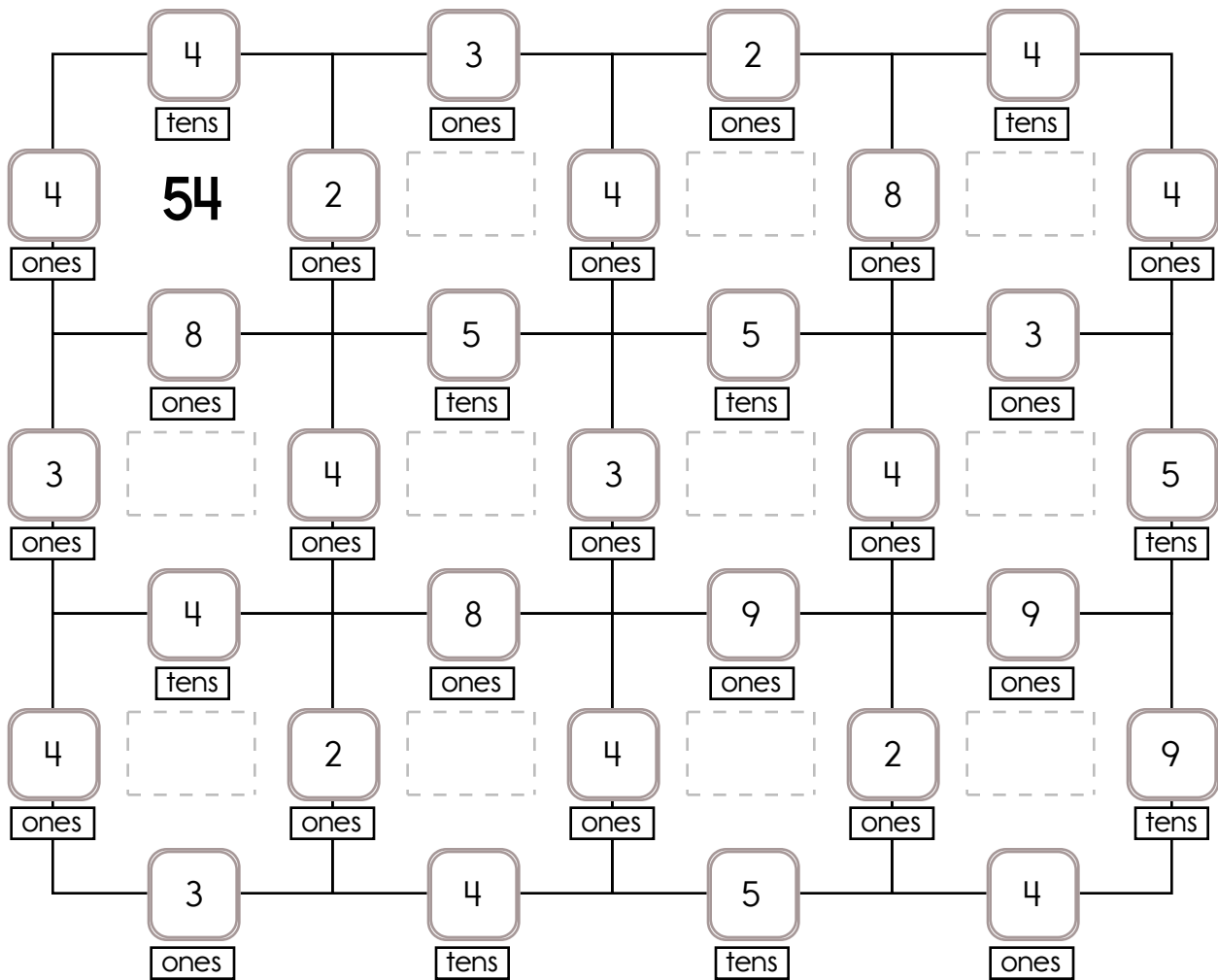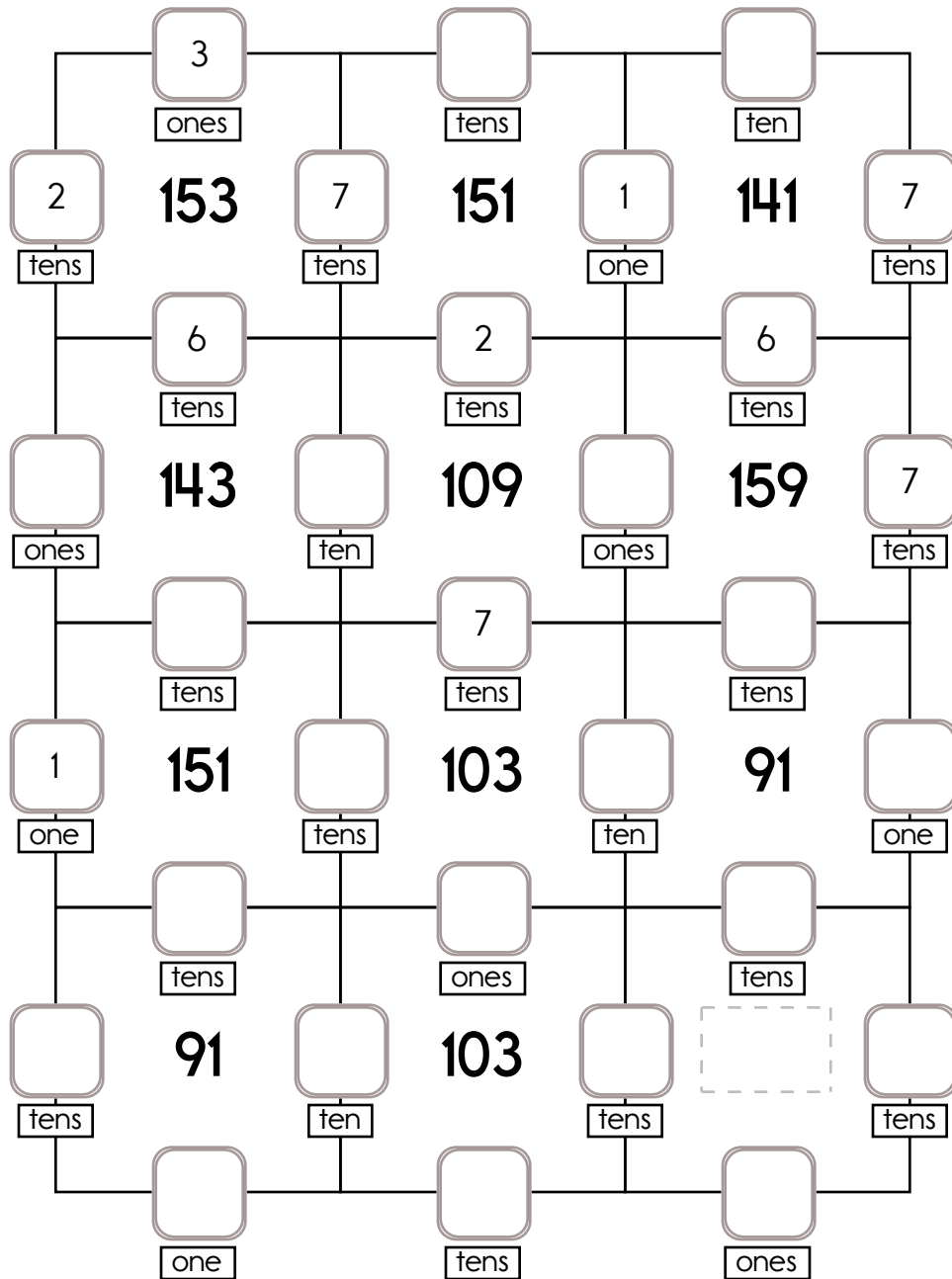Exactly one of the four numbers has to be one of these numbers: 9 ones, 1 one, or 3 ones.

The other three numbers have to all be DIFFERENT and must be from these: 1 ten, 2 tens, 6 tens,

or 7 tens.

	3 ones		tens		ten	
2 tens	**153**	7 tens	**151**	1 one	**141**	7 tens
	6 tens		2 tens		6 tens	
ones	**143**	ten	**109**	ones	**159**	7 tens
	tens		7 tens		tens	
1 one	**151**	tens	**103**	ten	**91**	one
	tens		ones		tens	
tens	**91**	ten	**103**	tens	[ ]	tens
	one		tens		ones	

6 x 1   =   5 x 8   =

Name: _____

Cross off the number that does NOT belong.

13, 15, 16, 17, 19, 21, 23

Why does _____ not belong in the pattern?

Cross off the number that does NOT belong.

4, 8, 12, 14, 16, 20, 24, 28, 32

Why does _____ not belong in the pattern?