

TANG MATH

Brain Builder

2025-2026



Unit 1

Tune Up

Lessons 1 – 15

LEVEL

C

- 1. Place Value to 100 - Model Expanded Form**
- 2. Place Value to 100 - Shift 10**

- 3. Add to 100 - Shift 10**
- 4. Subtract to 100 - Shift 10**
- 5. Add-To Word Problems to 100**
- 6. Take-From Word Problems to 100**
- 7. Difference-Unknown Word Problems to 100**
- 8. Larger-Unknown Word Problems to 100**
- 9. Smaller-Unknown Word Problems to 100**

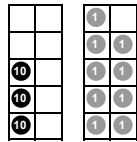
- 10. Place Value to 1,000 - Shift 100 or 10**
- 11. Place Value to 1,000 - Shift 100 & 10**

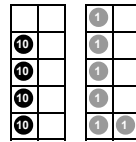
- 12. Add to 1,000 with 1 Regrouping**
- 13. Add to 1,000 with 2 Regroupings**
- 14. Subtract to 1,000 with 1 Regrouping**
- 15. Subtract to 1,000 with 2 Regroupings**

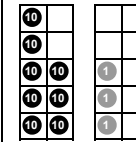
Name: _____

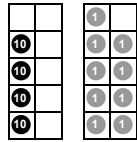
NUMTANGA

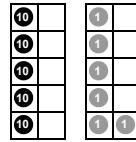
In each empty box, write the matching value between adjacent cards.

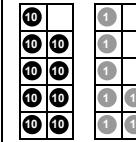
95	$70+8$
	fifty six

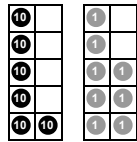
64	$60+8$
	ninety five

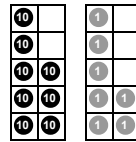
54	$50+6$
	sixty four

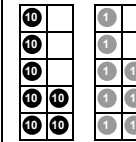
39	$40+6$
	eighty three

97	$40+9$
	sixty eight

46	$50+4$
	seventy eight

78	$80+3$
	seventy three

56	$70+3$
	forty six

87	$60+4$
	forty nine

Name: _____

FUNNY NUMBERS MATCH

Draw lines to connect each “funny number” on the left and number name on the right with the matching number in the center.

6 ten 13 •

• 68 •

• seventy-
three

5 ten 18 •

• 73 •

• eighty-
five

2 ten 17 •

• 85 •

• sixty-
eight

7 ten 15 •

• 37 •

• fifty-
eight

4 ten 18 •

• 58 •

• thirty-
seven

Name: _____

MAZE - A

Find your way from the top of the maze to the bottom.
Circle the expression if the **sum is greater than 60**.

$19 + 35$	$45 + 25$	$12 + 46$	$38 + 20$	$16 + 38$
$30 + 32$	$44 + 19$	$39 + 18$	$25 + 30$	$23 + 36$
$42 + 19$	$18 + 38$	$16 + 43$	$21 + 33$	$27 + 32$
$36 + 26$	$31 + 32$	$11 + 59$	$46 + 24$	$32 + 30$
$11 + 39$	$29 + 21$	$42 + 14$	$34 + 24$	$28 + 35$

Name: _____

SQUARE

In each puzzle, use **subtraction** skills to fill the white squares with the numbers **12-17**, so the gray squares equal the **sum** of each row and column.

16		29
	15	32
		26
47	40	

		29
16		33
	12	25
43	44	

	14	26
		32
16		29
45	42	

	15	32
13		25
		30
46	41	

Name: _____

RIDDLE PUZZLES - B

Use number names to answer each word problem. Then transfer the correct letters to the top of the page and fill in the missing letters to “solve” the riddle.

What can you use to get a closer look at the stars?

1 2 3 4

1. Grace had 59 pennies. She gave some of them to Andrew. Now Grace has 26 pennies. How many pennies did Grace give to Andrew?

_____ What is the **first** letter in your answer?
1

2. Luke picked some roses. He gave 30 roses to Sue. Now Luke has 33 roses. How many roses did Luke pick?

_____ What is the **ninth** letter in your answer?
2

3. James picked some pineapples. He gave 35 pineapples to Josie. Now James has 49 pineapples. How many pineapples did James pick?

_____ What is the **first** letter in your answer?
3

4. Calvin had 78 stamps. He gave some of them to Stella. Now Calvin has 36 stamps. How many stamps did Calvin give to Stella?

_____ What is the **second** letter in your answer?
4

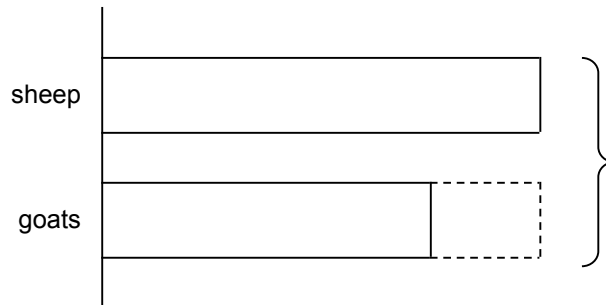
Name: _____

FILL IN THE BLANK

Use the numbers from the number bank to correctly label each bar model and fill the blanks in each word problem.

Number bank:

12 24 36 60



There are ____ sheep and ____ goats in the meadow. There are
____ animals all together. There are ____ more sheep than goats.

Number bank:

5 15 20 35



There are ____ apples and ____ oranges in the basket. There are
____ pieces of fruit all together. There are ____ more oranges than apples.

Name: _____

RIDDLE PUZZLES - C

Use number names to answer each word problem. Then transfer the correct letters to the top of the page and fill in the missing letters to “solve” the riddle.

Which animal runs the fastest?

_____ 1 2 3 4 _____

1. Sarah has 71 blocks. Marcus has 12 more blocks than Sarah.

How many blocks does Marcus have?

_____ What is the **fourth** letter in your answer? 1

2. Alice has 61 legos. Alice has 34 fewer legos than Ling. How many legos does Ling have?

_____ What is the **fourth** letter in your answer? 2

3. Ada has 49 markers. Mav has 25 more markers than Ada. How many markers does Mav have?

_____ What is the **second** letter in your answer? 3

4. Rose has 35 tennis balls. Rose has 17 fewer tennis balls than Ella. How many tennis balls does Ella have?

_____ What is the **fourth** letter in your answer? 4

Name: _____

RIDDLE PUZZLES - D

Use number names to answer each word problem. Then transfer the correct letters to the top of the page and fill in the missing letters to “solve” the riddle.

What is a lamb?

_____ 1 2 3 4 _____

1. Dane has 81 legos. Owen has 15 fewer legos than Dane. How many legos does Owen have?

_____ What is the **first** letter in your answer? 1

2. Faith has 52 books. Faith has 18 more books than Blake. How many books does Blake have?

_____ What is the **second** letter in your answer? 2

3. Zach has 63 buttons. Beth has 28 fewer buttons than Zach. How many buttons does Beth have?

_____ What is the **tenth** letter in your answer? 3

4. Adam has 34 crayons. Adam has 19 more crayons than Rosie. How many crayons does Rosie have?

_____ What is the **fifth** letter in your answer? 4

Name: _____

SHIFTING CHALLENGE - A

In each row, fill the missing numbers to correctly complete the table below.

Number	Expanded Form			Shift Ten		
427	400	20	7	400	10	17
568						
239						
347						
	600	30	5			
	100	50	6			
				200	20	14
				900	60	11

Name: _____

SHIFTING CHALLENGE - B

In each row, fill the missing numbers to correctly complete the table below.

Number	Expanded Form			Shift Hundred <i>and</i> Ten		
538	500	30	8	400	120	18
492						
657						
381						
	900	20	4			
	800	60	3			
				400	140	15
				100	160	10

Name: _____

DIGIT DETECTIVE - A

To solve the puzzle, here's what to do. Cross off the numbers that fit each clue.
With clever sleuth-work, when you're done, you'll be left with only one!

Odd and less than
 $297 + 152$

Number of days in
1 year and 273 days

Even and greater
than $345 + 282$

$$231 + 494$$

$$166 + 363$$

What number am I?

725

634

425

447

640

529

638

628

439

528

Name: _____

DIGIT DETECTIVE - B

To solve the puzzle, here's what to do. Cross off the numbers that fit each clue.
With clever sleuth-work, when you're done, you'll be left with only one!

Odd and greater
than $158 + 274$

Days in 2 years

Even and less than
 $45 + 168$

$$458 + 256$$

$$534 + 268$$

What number am I?

745

212

433

180

802

641

714

730

704

204

Name: _____

MAZE - B

Find a path from the top to the bottom of the maze.

Circle the expression if the **difference is 393**.

929 - 535	705 - 312	539 - 136	716 - 322	764 - 381
784 - 381	609 - 216	567 - 174	859 - 466	764 - 371
807 - 424	874 - 471	875 - 472	859 - 476	874 - 481
875 - 472	784 - 391	974 - 581	539 - 146	937 - 544
807 - 415	645 - 252	929 - 526	567 - 184	874 - 480
716 - 313	929 - 536	539 - 145	846 - 463	784 - 390

Name: _____

WHO AM I?

Write the correct answer on the line below each clue.

I am between 500 - 499 and
711 - 698. My name has
3 letters. My name does not
contain the letter T.

Who am I?

I am less than 914 - 896.
My name has exactly 2 Es.
My name does not have a T.

Who am I?



I am less than 413 - 394.
My name ends with N.
My name has one syllable.

Who am I?

I am between 601 - 599 and
312 - 295. My name contains
an H. My name does not
contain an R.

Who am I?
