



# Kungfu Math

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Challenge: P3 Whole Numbers-Numbers Within 10000, Addition & Subtraction

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### Written Instructions:

For each Multiple Choice Question (MCQ), four options are given. One of them is the correct answer. Make your choice (1,2,3 or 4). Write your answers in the brackets provided..

For each Short Answer Question(SAQ) and Long Answer Question(LAQ), write your answers in the blanks provided.

Leave your answers in the simplest form or correct to two decimal places.

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1) I am a 4-digit number.

The digit in my thousands place is the smallest 1-digit number.

The digit in my hundreds place has the value of 200.

The digit in my tens place is thrice the digit in my ones place.

The digit in my ones place is the second smallest odd number.

What number am I?

- 1) 1253
- 2) 1213
- 3) 1239
- 4) 1293

(            )

2) Which of the following has the same value as 7400?

- 1) 74 tens
- 2) 74 hundreds
- 3) 74 thousands
- 4) 74 ones

Answer: \_\_\_\_\_

3) What is the place value of the digit '7' in 276?

- 1) Hundreds
- 2) Thousands
- 3) Ones
- 4) Tens

(       )

4) In 431, what is the value of the digit '3'?

- 1) 3
- 2) 3000
- 3) 300
- 4) 30

(       )

5) What is the smallest three-digit number that can be formed with the digits 4, 3 and 9?

- 1) 493
- 2) 394
- 3) 934
- 4) 349

(       )

6)  $1831 + ? = 4017$

What is the missing number in the number sentence above?

Answer: \_\_\_\_\_

7) Find the missing number in the following number pattern.  
4311, 4411, \_\_\_\_\_, 4611

Answer: \_\_\_\_\_

8) Find the sum of 22 and 95.

Answer: \_\_\_\_\_

9) Find the sum of 2 thousands 4 hundreds 10 tens and 2 thousands 2 hundreds 20 tens.

Answer: \_\_\_\_\_

10) In the sum below, the same digit is missing from each box.

What is the number?

$$\begin{array}{r} 3562 \\ 23A \\ + 51A \\ \hline 4312 \\ \hline \end{array}$$

A =

**Answer:** \_\_\_\_\_

11) In 6289, find the difference between the value of digit 6 and the value of digit 2.

**Answer:** \_\_\_\_\_

12) What is the smallest 3-digit even number that can be formed using the digits 3, 2, 9 and 6?

**Answer:** \_\_\_\_\_

13) How many ones are there in the sum of 11 hundreds and 134 tens?

**Answer:** \_\_\_\_\_

14) 5, 0, 7, 9

Subtract 393 from the greatest 4-digit odd number formed from the digits above.

**Answer:** \_\_\_\_\_

15) Bernadette has 9501 marbles.  
Gina has 8890 marbles.  
Find the sum of the number of marbles they have.

**Answer:** \_\_\_\_\_

16) Jill and Abigail had some stickers. Jill had 2480 stickers. If Abigail had 58 more stickers than Jill, how many stickers did they have altogether?

**Answer:** \_\_\_\_\_

17) Tom had 814 stamps.  
After he gave 196 stamps to Gab, Tom still has 21 more stamps than Gab.  
How many stamps did Gab have at first?




**Answer:** \_\_\_\_\_

18) Doria had some money.  
She spent \$21 on some storybooks.  
Her mother gave her another \$11.  
In the end, she had \$74 altogether.  
How much money did she have at first?

\$ \_\_\_\_\_

**Answer:** \_\_\_\_\_

19) The following picture patterns are formed by using sticks.  
Study them carefully.

			...	?
1 <sup>st</sup> pattern	2 <sup>nd</sup> pattern	3 <sup>rd</sup> pattern	...	16 <sup>th</sup> pattern

How many sticks will be needed to form the 16<sup>th</sup> pattern?

**Answer:** \_\_\_\_\_

20) Some passengers boarded the bus at the interchange.  
At the first stop, 3 passengers alighted and 8 passengers boarded the bus.  
At the second stop, 3 passengers alighted and another 6 passengers boarded the bus.  
In the end, there were 46 passengers on the bus.  
How many passengers boarded the bus at the interchange at first?

**Answer:** \_\_\_\_\_

1) I am a 4-digit number.

The digit in my thousands place is the smallest 1-digit number.

The digit in my hundreds place has the value of 200.

The digit in my tens place is thrice the digit in my ones place.

The digit in my ones place is the second smallest odd number.

What number am I?

- 1) 1253
- 2) 1239
- 3) 1213
- 4) 1293

Answer: 4

SOLUTION 1 :

Step 1: in the thousands place, smallest 1-digit number: 1

Step 2: in the hundreds place, value of 200: 2

Step 3: in the ones place, second smallest odd number: 3

Step 4: in the tens place, thrice the value of the digit in the ones place:  $3 \times 3 = 9$

Step 5: 4-digit number: 1293

The number is **1293**.

2) Which of the following has the same value as 7400?

- 1) 74 thousands
- 2) 74 ones
- 3) 74 tens
- 4) 74 hundreds

Answer: 4

SOLUTION 1 :

$7400 \div 100 = 74$  hundreds

3) What is the place value of the digit '7' in 276?

- 1) Ones
- 2) Hundreds
- 3) Tens
- 4) Thousands

Answer: 3

SOLUTION 1 :

2	7	6
Hundreds	Tens	Ones

The place value of the digit '7' is **tens**.

4) In 431, what is the value of the digit '3'?

- 1) 3000
- 2) 3
- 3) 30
- 4) 300

Answer: 3

SOLUTION 1 :

4	3	1
4 hundred	3 tens	1 ones
400	30	1

The value of the digit '3' is **30**.

5) What is the smallest three-digit number that can be formed with the digits 4, 3 and 9?

- 1) 349
- 2) 493
- 3) 934
- 4) 394

Answer: 1

6)  $1831 + ? = 4017$

What is the missing number in the number sentence above?

Answer: 2186

SOLUTION 1 :

$$4017 - 1831 = 2186$$

The missing number is **2186**.



7) Find the missing number in the following number pattern.

4311, 4411, \_\_\_\_\_, 4611

Answer: 4511

SOLUTION 1 :

Step 1:  $4411 - 4311 = 100$

Step 2:  $4411 + 100 = 4511$

The missing number is **4511**.

8) Find the sum of 22 and 95.

Answer: 117

SOLUTION 1 :

$22 + 95 = 117$

9) Find the sum of 2 thousands 4 hundreds 10 tens and 2 thousands 2 hundreds 20 tens.

Answer: 4900

SOLUTION 1 :

$2000 + 400 + 100 + 2000 + 200 + 200 = 4900$

10) In the sum below, the same digit is missing from each box.

What is the number?

$$\begin{array}{r} 3562 \\ 23A \\ + 51A \\ \hline 4312 \\ \hline \end{array}$$

A = Answer: 5

SOLUTION 1 :

$$\begin{array}{r} 3562 \\ 235 \\ + 515 \\ \hline \end{array}$$

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$$A = 5$$

The number is **5**.

11) In 6289, find the difference between the value of digit 6 and the value of digit 2.

Answer: 5800

SOLUTION 1 :

$$6000 - 200 = 5800$$

The difference is **5800**.

12) What is the smallest 3-digit even number that can be formed using the digits 3, 2, 9 and 6?

Answer: 236

SOLUTION 1 :

Arrange the 3-digit number: 236

13) How many ones are there in the sum of 11 hundreds and 134 tens?

Answer: 2440

SOLUTION 1 :

Step 1: 11 hundreds  $\rightarrow 11 \times 100 = 1100$

Step 2: 134 tens  $\rightarrow 134 \times 10 = 1340$

Step 3:  $1100 + 1340 = 2440$

There are **2440** ones.

14) 5, 0, 7, 9

Subtract 393 from the greatest 4-digit odd number formed from the digits above.

Answer: 9312

SOLUTION 1 :

$$9705 - 393 = 9312$$

15) Bernadette has 9501 marbles.  
 Gina has 8890 marbles.  
 Find the sum of the number of marbles they have.

Answer: 18391

SOLUTION 1 :

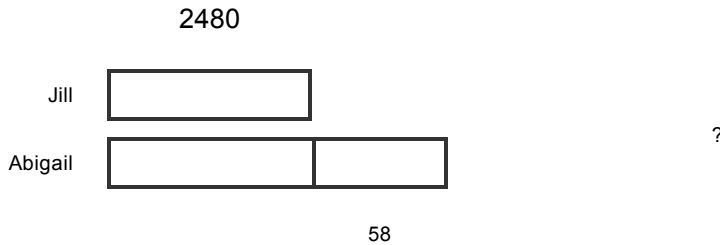
$$9501 + 8890 = 18391$$

The number of marbles they have is **18391**.

16) Jill and Abigail had some stickers. Jill had 2480 stickers. If Abigail had 58 more stickers than Jill, how many stickers did they have altogether?

Answer: 5018

SOLUTION 1 :



Step 1:  $2480 + 58 = 2538$

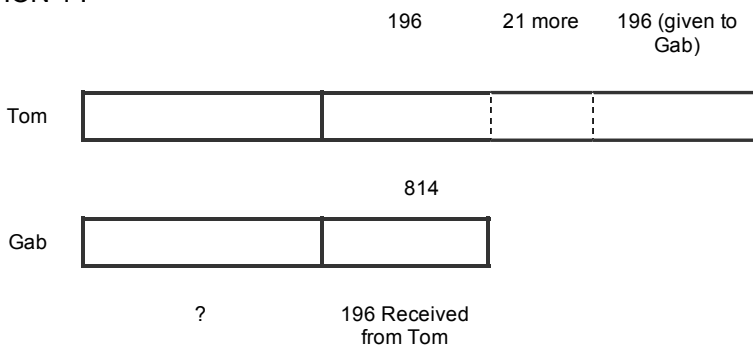
Step 2:  $2480 + 2538 = 5018$

They had **5018** stickers altogether.

17) Tom had 814 stamps.  
 After he gave 196 stamps to Gab, Tom still has 21 more stamps than Gab.  
 How many stamps did Gab have at first?

Answer: 401

SOLUTION 1 :



Step 1:  $21 + 196 + 196 = 413$

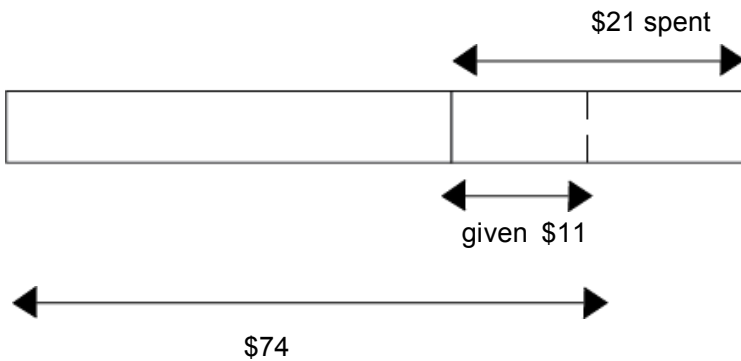
Step 2:  $814 - 413 = 401$

Gab have **401** stamps at first.

18) Doria had some money.  
 She spent \$21 on some storybooks.  
 Her mother gave her another \$11.  
 In the end, she had \$74 altogether.  
 How much money did she have at first?

\$ Answer: 84

SOLUTION 1 :

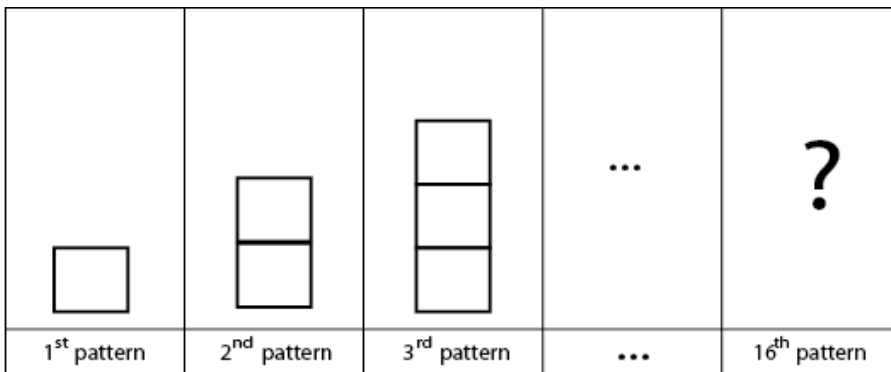


Step 1:  $\$74 - \$11 = \$63$

Step 2:  $\$63 + \$21 = \$84$

She had **\$84** at first.

19) The following picture patterns are formed by using sticks.  
 Study them carefully.



How many sticks will be needed to form the 16<sup>th</sup> pattern?

Answer: 49

SOLUTION 1 :

Pattern	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	4	4+3	7+3	10+3	13+3	16+3	19+3	22+3	25+3	28+3	31+3	34+3	37+3	40+3	43+3	46+3
No. Of sticks	4	7	10	13	16	19	22	25	28	31	34	37	40	43	46	49

**49** will be needed to form the 16<sup>th</sup> pattern.

20) Some passengers boarded the bus at the interchange.  
 At the first stop, 3 passengers alighted and 8 passengers boarded the bus.

At the second stop, 3 passengers alighted and another 6 passengers boarded the bus.  
 In the end, there were 46 passengers on the bus.  
 How many passengers boarded the bus at the interchange at first?

Answer: 38

SOLUTION 1 :

		1st stop	1st stop		2nd stop	2nd stop		
Some passengers	→	less 3 passengers	add 8 passengers	→	less 3 passengers	add 6 passengers	→	46
38 passengers	←	add 3 passengers	minus 8 passengers	←	add 3 passengers	minus 6 passengers	←	46

There were 38 passengers boarded the bus at the interchange at first.