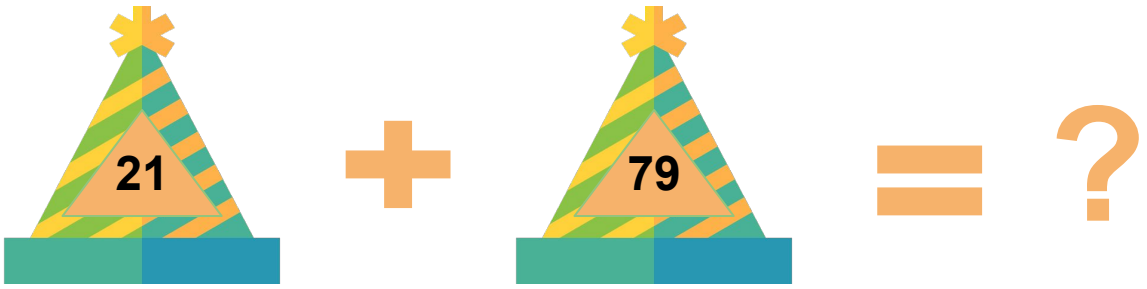
Helping With Math

Addition of Numbers within 100

GRADE 2

Addition is the process of combining two or more numbers (or things) together to make a new total or sum. This worksheet contains concepts and procedures in adding numbers within 100.



21 + 14 = 35

Addends

Sum

- The numbers to be added together are called "addends":
- The answer is called “sum”.

ADDITION WITH REGROUPING

- In adding two-digit numbers, you might encounter two ways to do it: with regrouping or without regrouping.

Two- digit numbers are numbers starting with 10 and higher. It is composed of tens and ones. Examples : 21, 11, 10, 15, 87, 99.

Regrouping is the way of creating groups of tens when adding or subtracting two digit numbers (or more). Another names for it are “carrying” and “borrowing”.

Example of adding numbers with regrouping:

	1	6
+	1	4
	3	**0**

Sixteen plus fourteen is thirty. However, this method is not only about simple addition. It involves a process called regrouping.

In the above problem, you start adding the numbers in the ones column first (6 + 4). When you add those two numbers, the sum will be 10. However, you cannot place the 10 underneath the ones column, because you can only place one digit per column. So, what should you do?

ADDITION WITH REGROUPING

The correct way to do is to regroup! By regroup, we mean you change your 10 ones into 1 ten.

	1	6
+	1	4
	3	**0**

To do this, you place the zero from the number 10 in the ones column and place the 1 above the tens column.

	1	
	1	6
+	1	4
	3	**0**

Doing this indicates that there are 0 ones and 1 additional ten. After you have regrouped, you can then add the tens column (1 + 1 + 1), which equals 3.

Would you like to try to add 45 and 49? What is the sum?

TABLE OF ACTIVITIES

1. Birthday Gifts
2. Birthday Invitation
3. How Old Am I?
4. Blow the Candles
5. Party Balloons
6. Party Hat Numbers
7. What Do I Have on My Birthday
8. You Are Invited
9. My Birthday Cake
10. When It Was My Birthday

BIRTHDAY GIFTS

Each box contains 10 gifts inside it. Count how many gifts on each item by adding it by 10.

4 tens = 40

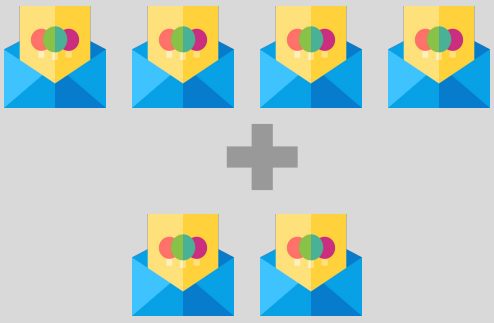
plus + 30

3 tens = 70

10 + 20 =	20 + 30 =	30 + 40 =	20 + 60 =	30 + 20 =
20 + 10 =	50 + 30 =	40 + 30 =	40 + 50 =	10 + 40 =
20 + 20 =	10 + 30 =	70 + 20 =	30 + 10 =	50 + 10 =

BIRTHDAY INVITATION

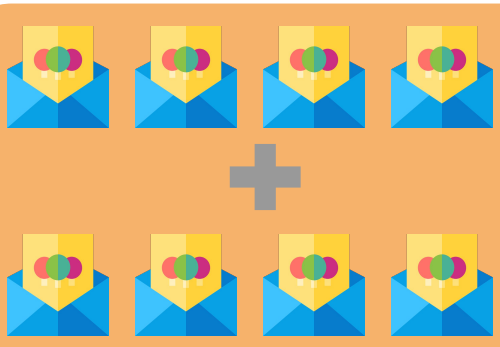
Each birthday card can reach 10 people to be invited on your birthday party. Count how many people will be invited.



__ tens

plus

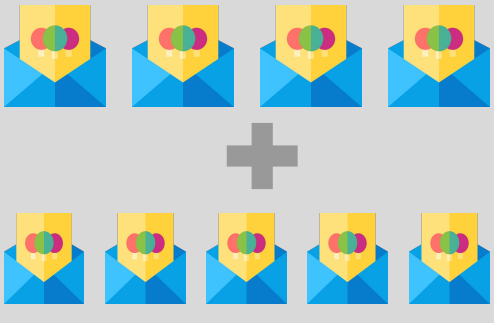
__ tens



__ tens

plus

__ tens



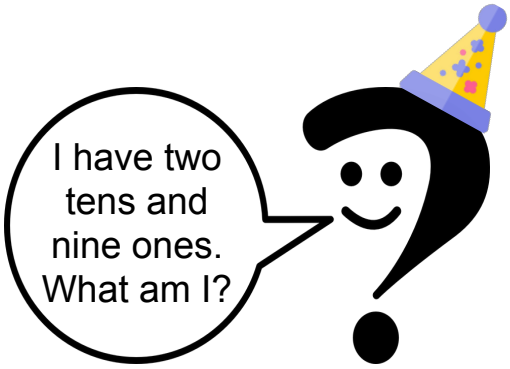
__ tens

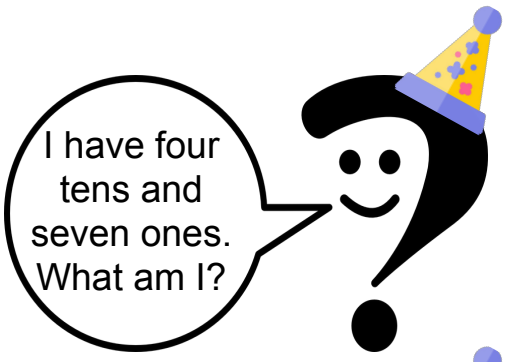
plus

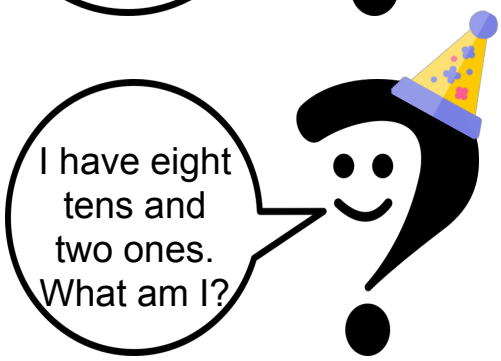
__ tens

HOW OLD AM I?

Read and understand each description. Identify what number is being decribed to determine the age of each person.



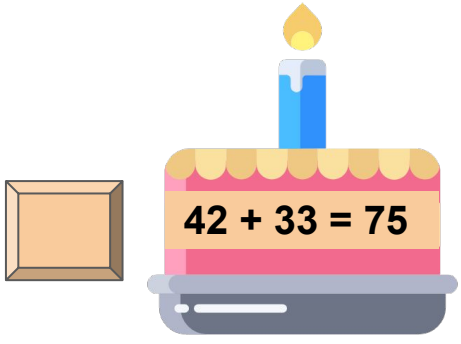


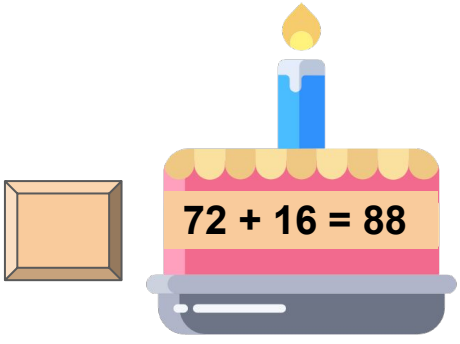


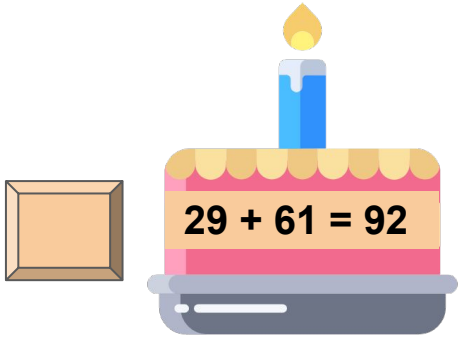
	IN NUMBERS	IN WORDS
=		
=		
=		
=		

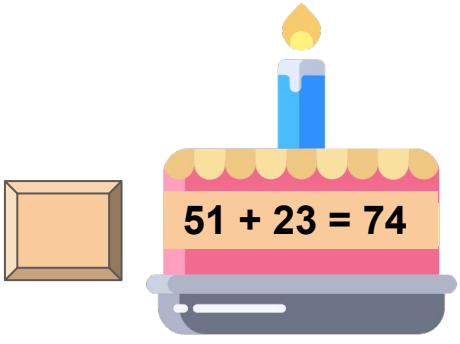
BLOW THE CANDLES

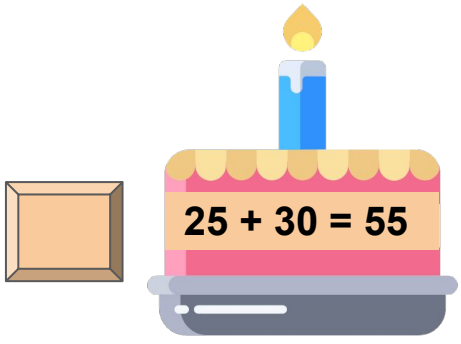
The candle of the cake that contains the correct sum shall be blown. Put a check on the box that contains the right sum.

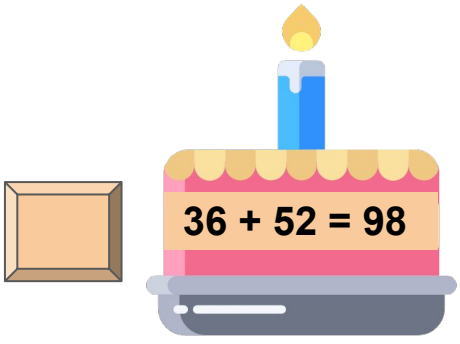






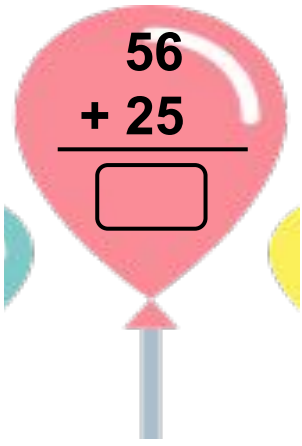


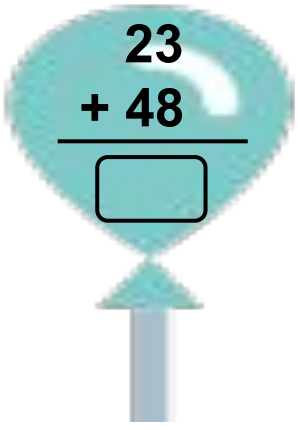


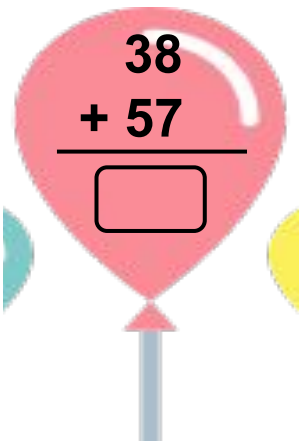


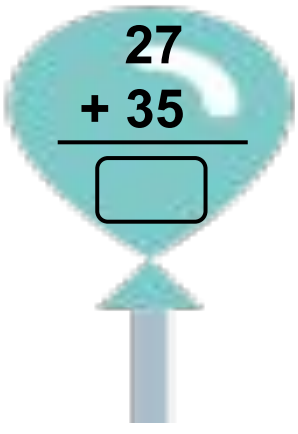
PARTY BALLOONS

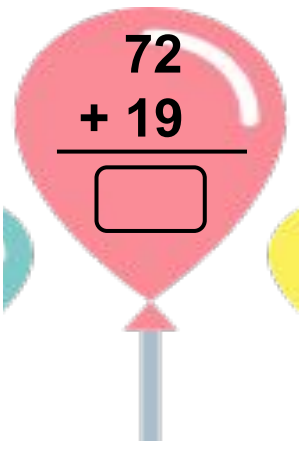
Add the following numbers carefully. You only have 30 seconds to solve each problem or else ballons will pop! Try to solve it!





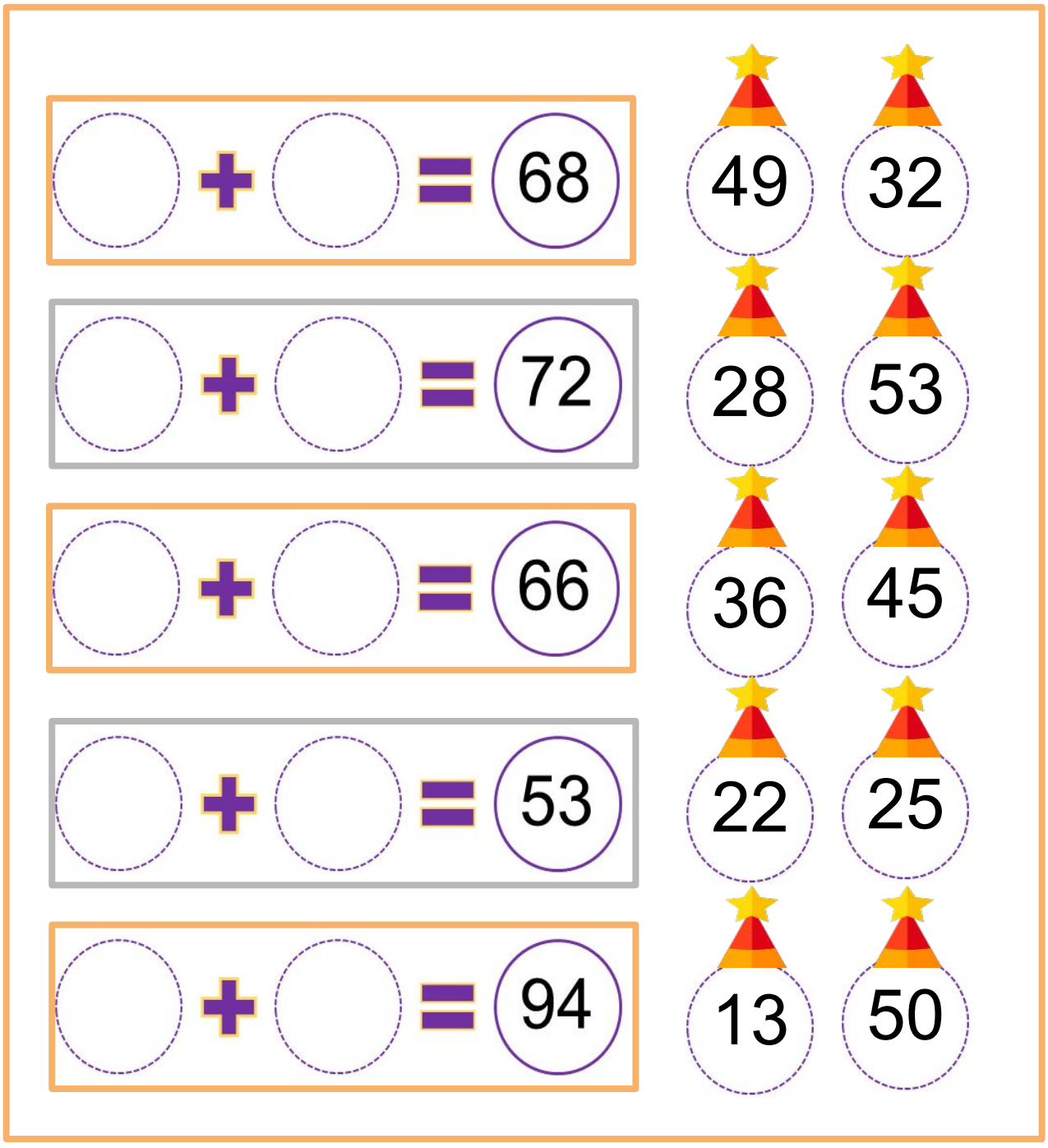






PARTY HAT NUMBERS

Which pair of party hat numbers should be mixed together to match the desired sum? Cut and paste the numbers on the box.



WHAT DO I HAVE ON MY BIRTHDAY?

Read and solve the following problems. Choose your answer among the set of balloons below.

There are second graders that you want to invite on your party. 10 have already told you that they will come. Another 32 did the same. How many second graders will there be on your birthday?

Mike ordered 50 cupcakes for his younger sister's birthday. He felt like these 50 cupcakes will not be enough for the visitors so he added 28 more cupcakes. How many cupcakes are there in all?

CJ received 20 chocolates from his classmates on his birthday. His best friend, Grace, got 32 chocolates. CJ received 18 more chocolates from Nicole. How many chocolates do they have in all?

YOU ARE INVITED!

Read and solve the following problems carefully. Remember to put proper label on the final answer.

1. A group of students attended a party. 52 people arrived around 2: 30 p.m. 21 people arrived at exactly 3:00 pm. How many people are there in the party?

Solution:

2. Mark got 21 sprinkles and 11 nuts on top of her cone. Kisha got 22 sprinkles and 6 nuts on top of her cone. Who has fewer toppings?

Solution:

MY BIRTHDAY CAKE

It's my birthday! Help me find the sum of these numbers!

$$\begin{array}{r} 43 \\ +\ 43 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ +\ 12 \\ \hline \end{array}$$

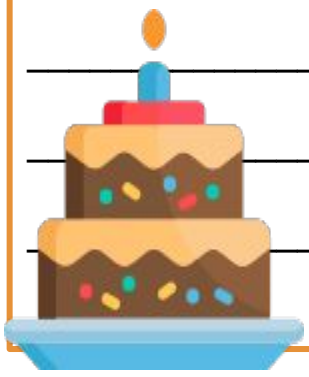
$$\begin{array}{r} 57 \\ +\ 28 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ +\ 21 \\ \hline \end{array}$$

WHEN IT WAS MY BIRTHDAY

Do you still remember your last two birthdays? Tell us what happen back then. Write your birthday experience below.

My Birthday Experience



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