



Add Ones and Tens

Name _____

$$24 + 14 = ?$$

Model the addends.

tens	ones
	

$$24 + 14 = 38$$

First add the ones.

tens	ones
2	4
+	1
	8

Then add the tens.

tens	ones
2	4
+	1
3	8

Add. You may use models to check.

1.

tens	ones
3	6
+	2
	3

$$\begin{array}{r} 36 \\ + 23 \\ \hline 59 \end{array}$$

2.

tens	ones
4	2
+	2
	5

$$\begin{array}{r} 42 \\ + 25 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 11 \\ + 43 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 39 \\ + 40 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 31 \\ + 16 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 20 \\ + 63 \\ \hline \end{array}$$

7.

$$\begin{array}{r} 51 \\ + 48 \\ \hline \end{array}$$

8.

$$\begin{array}{r} 20 \\ + 30 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 40 \\ + 12 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 37 \\ + 52 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 30 \\ + 60 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 56 \\ + 22 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 45 \\ + 43 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 28 \\ + 70 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 64 \\ + 23 \\ \hline \end{array}$$

16.

$$\begin{array}{r} 27 \\ + 52 \\ \hline \end{array}$$

17.

$$\begin{array}{r} 78 \\ + 10 \\ \hline \end{array}$$

18.

$$\begin{array}{r} 40 \\ + 50 \\ \hline \end{array}$$

19.

$$\begin{array}{r} 32 \\ + 33 \\ \hline \end{array}$$

20.

$$\begin{array}{r} 62 \\ + 34 \\ \hline \end{array}$$

21.

$$\begin{array}{r} 51 \\ + 22 \\ \hline \end{array}$$

22.

$$\begin{array}{r} 11 \\ + 35 \\ \hline \end{array}$$

Mental Math Addition

Name _____

Count on by 1s. $54 + 3 = ?$

Start at 54. $\begin{array}{r} 54 \\ + 3 \\ \hline 57 \end{array}$
 Count on by 1s. 55, 56, 57

Count on by 10s. $54 + 30 = ?$

Start at 54. $\begin{array}{r} 54 \\ + 30 \\ \hline 84 \end{array}$
 Count on by 10s. 64, 74, 84

Add mentally. Write the sum.

1. Add 3 to:

6 16 26 36
 9 19 _____ _____

2. Add 4 to:

12 22 32 42
 _____ _____ _____ _____

3. Add 2 to:

41 31 21 11
 _____ _____ _____ _____

4. Add 20 to:

34 24 14 4
 _____ _____ _____ _____

5. Add 40 to:

32 22 12 2
 _____ _____ _____ _____

6. Add 2 to:

75 65 55 45
 _____ _____ _____ _____

7. Add 30 to:

6 16 26 36
 _____ _____ _____ _____

8. Add 3 to:

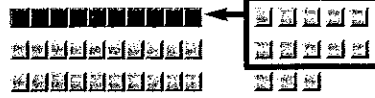
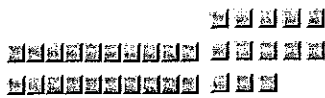
12 22 32 42
 _____ _____ _____ _____

Regroup Ones as Tens: Use Models

Name _____

There are more
than 9 ones.

Regroup 10 ones
as 1 ten.



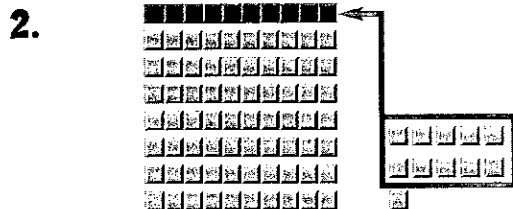
$$2 \text{ tens } 13 \text{ ones} = 3 \text{ tens } 3 \text{ ones}$$

Use models to regroup.
Complete.



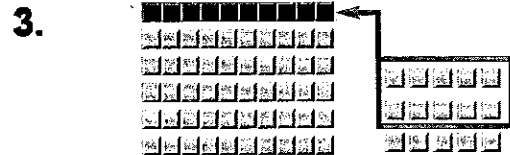
$$4 \text{ tens } 12 \text{ ones} =$$

$$\underline{5} \text{ tens } \underline{2} \text{ ones}$$



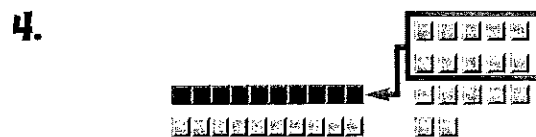
$$7 \text{ tens } 11 \text{ ones} =$$

$$\underline{\quad} \text{ tens } \underline{\quad} \text{ one}$$



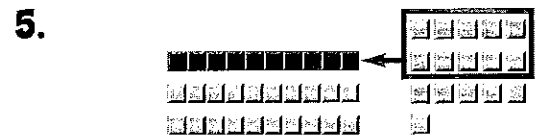
$$5 \text{ tens } 15 \text{ ones} =$$

$$\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$$



$$1 \text{ ten } 17 \text{ ones} =$$

$$\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$$



$$2 \text{ tens } 16 \text{ ones} =$$

$$\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$$

6. $3 \text{ tens } 19 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

7. $8 \text{ tens } 14 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

8. $7 \text{ tens } 10 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

9. $6 \text{ tens } 18 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

10. $2 \text{ tens } 17 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

11. $5 \text{ tens } 13 \text{ ones} =$
 $\underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$

Regroup Ones as Tens: Model and Record

Name _____

$$28 + 15 = ?$$

First add the ones. Regroup.

	tens	ones
	2	8
+	1	5
		3

13 ones = 1 ten 3 ones

Then add the tens.

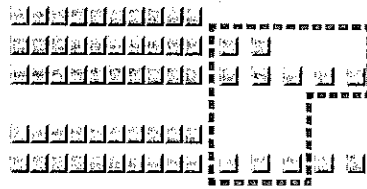
	tens	ones
	2	8
+	1	5
	4	3

$$\begin{array}{r} 28 \\ + 15 \\ \hline 43 \end{array}$$

Add. Circle the ones you regroup.

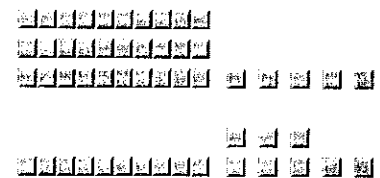
1.

	tens	ones
	3	7
+	2	5



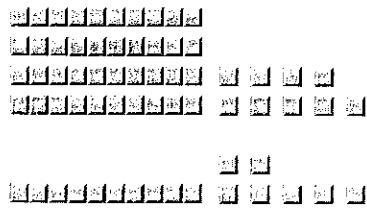
2.

	tens	ones
	3	5
+	1	8



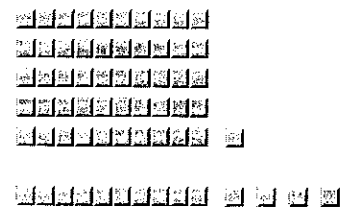
3.

	tens	ones
	4	9
+	1	7



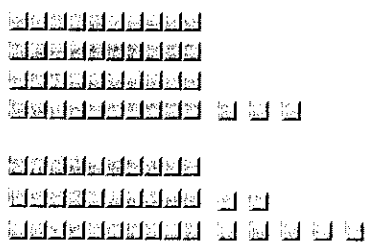
4.

	tens	ones
	5	1
+	1	4



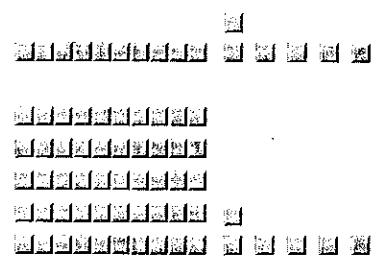
5.

	tens	ones
	4	3
+	3	7



6.

	tens	ones
	1	6
+	5	6



Regroup Ones as Tens

Name _____

$$34 + 17 = ?$$

Add the ones. Regroup.

tens	ones
3	4
+	7
	1



Add the tens.

tens	ones
3	4
+	7
5	1

$$34 + 17 = 51$$

Add. Regroup when needed.

1.

tens	ones
5	7
+	7
	

2.

tens	ones
2	7
+	5

3.

tens	ones
4	8
+	5

4.

tens	ones
6	9
+	5

5.

tens	ones
7	8
+	8

6.

$$\begin{array}{r} 93 \\ + 3 \\ \hline \end{array}$$

7.

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

8.

$$\begin{array}{r} 75 \\ + 7 \\ \hline \end{array}$$

9.

$$\begin{array}{r} 33 \\ + 59 \\ \hline \end{array}$$

10.

$$\begin{array}{r} 37 \\ + 13 \\ \hline \end{array}$$

11.

$$\begin{array}{r} 69 \\ + 22 \\ \hline \end{array}$$

12.

$$\begin{array}{r} 25 \\ + 68 \\ \hline \end{array}$$

13.

$$\begin{array}{r} 86 \\ + 9 \\ \hline \end{array}$$

14.

$$\begin{array}{r} 48 \\ + 16 \\ \hline \end{array}$$

15.

$$\begin{array}{r} 56 \\ + 7 \\ \hline \end{array}$$

16.

$$\begin{array}{r} 94 \\ + 1 \\ \hline \end{array}$$

17.

$$\begin{array}{r} 83 \\ + 8 \\ \hline \end{array}$$

18.

$$\begin{array}{r} 46 \\ + 53 \\ \hline \end{array}$$

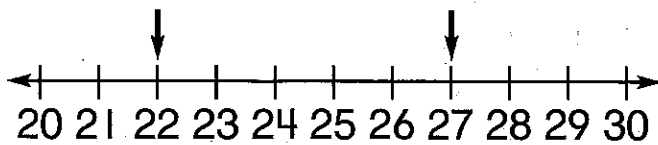
19.

$$\begin{array}{r} 69 \\ + 20 \\ \hline \end{array}$$

Estimate Sums

Name _____

Estimate the sum of $22 + 27$.



$$\begin{array}{r} 22 \rightarrow 20 \\ +27 \rightarrow +30 \\ \hline \text{about } 50 \end{array}$$

The sum of $22 + 27$ is about 50.

Estimate the sum.

Round each addend to the nearest ten.

1.

$$\begin{array}{r} 68 \rightarrow 70 \\ +23 \rightarrow +20 \\ \hline \text{about } 90 \end{array}$$

2.

$$\begin{array}{r} 31 \rightarrow \boxed{} \\ +44 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

3.

$$\begin{array}{r} 45 \rightarrow \boxed{} \\ +19 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

4.

$$\begin{array}{r} 77 \rightarrow \boxed{} \\ +8 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

5.

$$\begin{array}{r} 33 \rightarrow \boxed{} \\ +45 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

6.

$$\begin{array}{r} 12 \rightarrow \boxed{} \\ +36 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

7.

$$\begin{array}{r} 49 \rightarrow \boxed{} \\ +32 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

8.

$$\begin{array}{r} 56 \rightarrow \boxed{} \\ +17 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

9.

$$\begin{array}{r} 54 \rightarrow \boxed{} \\ +21 \rightarrow +\boxed{} \\ \hline \text{about } \underline{\hspace{2cm}} \end{array}$$

Rewrite Two-Digit Addition

Name _____

$28 + 19 = ?$

Line up the tens and ones.

Add. Regroup as needed.

	tens	ones
	2	8
+	1	9

	tens	ones
	2	8
+	1	9
	4	7

Rewrite the addends. Add. Regroup as needed.

1. $47 + 6$

	tens	ones
	4	7
+	6	0

2. $55 + 28$

	tens	ones
	5	5
+	2	8

3. $8 + 17$

	tens	ones
	0	8
+	1	7

4. $39 + 14$

	tens	ones
	3	9
+	1	4

5. $26 + 59$

	tens	ones
	2	6
+	5	9

6. $15 + 16$

	tens	ones
	1	5
+	1	6

7. $9 + 11$

	tens	ones
	0	9
+	1	1

8. $67 + 7$

	tens	ones
	6	7
+	0	7

9. $80 + 17$

	tens	ones
	8	0
+	1	7

10. $46 + 24$

	tens	ones
	4	6
+	2	4

11. $2 + 39$

	tens	ones
	0	2
+	3	9

12. $33 + 58$

	tens	ones
	3	3
+	5	8

Three Addends

Name _____

$$16 + 15 + 8 = ?$$

Add ones.

tens	ones
1	6
1	5
+	8
	9

Add tens.

tens	ones
1	6
1	5
+	8
3	9

$$16 + 15 + 8 = 39$$

Add. Regroup as needed.

1.
$$\begin{array}{r} 32 \\ 57 \\ + 6 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 12 \\ 18 \\ + 47 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 41 \\ 9 \\ + 36 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 24 \\ 28 \\ + 4 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 12 \\ 24 \\ + 18 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 23 \\ 35 \\ + 7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 18 \\ 61 \\ + 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 18 \\ 72 \\ + 5 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 63 \\ 17 \\ + 12 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 37 \\ 22 \\ + 14 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 8 \\ 48 \\ + 11 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 13 \\ 34 \\ + 29 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 22 \\ 15 \\ + 38 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 8 \\ 41 \\ + 15 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 44 \\ 26 \\ + 14 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 13 \\ 44 \\ + 25 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 13 \\ 17 \\ + 39 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 65 \\ 13 \\ + 9 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 15 \\ 33 \\ + 41 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 21 \\ 45 \\ + 31 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 16 \\ 35 \\ + 34 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 23 \\ 33 \\ + 13 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 15 \\ 25 \\ + 30 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 23 \\ 14 \\ + 12 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 26 \\ 44 \\ + 12 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 43 \\ 15 \\ + 20 \\ \hline \end{array}$$

Choose the Method; Addition Practice

Name _____

Add mentally.

$$30 + 3 + 20 = ?$$

Start at 30 and count on.

31, 32, 33, 43, 53

$$30 + 3 + 20 = 53$$

Regroup.

Use paper and pencil.

$$\begin{array}{r} 1 \\ 56 \\ + 37 \\ \hline 93 \end{array}$$

Add. Choose the method that works better for you.

1.
$$\begin{array}{r} 20 \\ 40 \\ + 8 \\ \hline 68 \end{array}$$

2.
$$\begin{array}{r} 22 \\ 34 \\ + 11 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 37 \\ 12 \\ + 7 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 18 \\ 22 \\ + 21 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 8 \\ 48 \\ + 11 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 44 \\ 34 \\ + 16 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 18 \\ 11 \\ + 30 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 55 \\ 15 \\ + 27 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 12 \\ 14 \\ + 50 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 10 \\ 9 \\ + 15 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 23 \\ + 19 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 57 \\ + 38 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 15 \\ + 32 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 28 \\ + 34 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 16 \\ + 23 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 15 \\ + 13 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 82 \\ + 16 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 53 \\ + 14 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 49 \\ + 17 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 38 \\ + 11 \\ \hline \end{array}$$

21.
$$\begin{array}{r} 15 \\ + 10 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 48 \\ + 17 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 10 \\ + 21 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 32 \\ + 59 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 66 \\ + 12 \\ \hline \end{array}$$

Problem-Solving Strategy: Use More Than One Step

Name _____

Read

Saul brings 14 muffins to the bake sale. 7 are sold. Then Tia brings 16 more muffins to the sale. How many muffins do they have in all?

Plan

Step 1

Subtract to find how many Saul has.

Step 2

Add to find how many Saul and Tia have in all.

Write

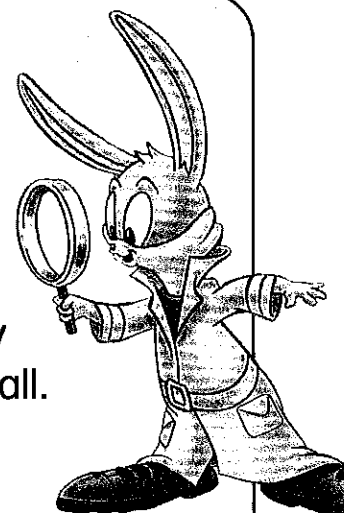
$$\begin{array}{r} 14 \\ - 7 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 16 \\ + 7 \\ \hline 23 \end{array}$$

Saul and Tia have 23 muffins in all.

Check

Model the problem to check your answer.



Use more than one step to solve each problem.

1. Rory starts with 18 baseballs.

He hits 3 over the fence.

He gives 6 to his friend Dan.

How many baseballs does Rory have then?



Rory has _____ baseballs then.

2. Maya buys 9 erasers.

She has 32 at home.

Judy has 37 at home.

Who has more erasers?



_____ has more erasers.

3. Jo saw 21 buses on Friday.

On Saturday she saw 8 more than on Friday.

How many buses did Jo see in all?



Jo saw _____ buses in all.

Problem-Solving Applications: Mixed Strategies

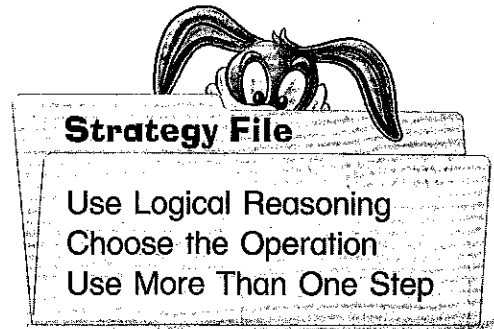
Name _____

Read **Plan** **Write** **Check**

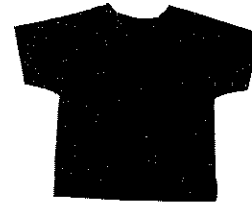
Use a strategy you have learned.

1. Seventeen people buy lemonade in the morning at the school sale. Nine fewer people than that buy lemonade in the afternoon. How many people buy lemonade in all?

_____ people buy lemonade in all.

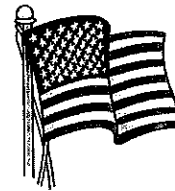


2. Hugo's jersey has an odd number. It is between 43 and 49. It does not end in 5. What number is Hugo's jersey?



Hugo's jersey is number _____.

3. Ruth sees 11 flags in the park. Juno sees 4 more flags than Ruth. Sandra sees 9 more flags than Juno. How many flags does Sandra see?



Sandra sees _____ flags.

4. 28 children play baseball on Friday. 44 children play on Saturday. Three dozen of the children are boys. How many children play baseball in all?

_____ children play baseball in all.

