

Add and Subtract within 20

You can use strategies
to add or subtract.

- count on
- count back
- doubles
- related facts
- doubles plus one
- doubles minus one

What is $5 + 6$?

I can use
doubles plus one.



$$5 + 5 = 10$$



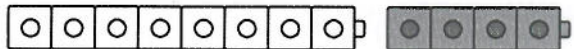
So, $5 + 6 =$.

What is $12 - 4$?

I can use a
related fact.



$$8 + 4 = 12$$



So, $12 - 4 =$ 8.

Add or subtract.

1. $12 - 3 =$ _____

2. $8 + 9 =$ _____

3. $10 - 5 =$ _____

4. $13 - 7 =$ _____

5. $7 + 8 =$ _____

6. $6 + 6 =$ _____

COMMON CORE STANDARD CC.1.NBT.4

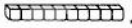
Use place value understanding and properties of operations to add and subtract.

Add Tens

What is $10 + 30$?

$$1 \text{ ten} + 3 \text{ tens} = \underline{4} \text{ tens}$$

$$10 + 30 = \underline{40}$$

Use .
Start with 1 ten.
Add 3 more tens.
Draw the tens.

Use . Draw to show tens.

Write how many tens. Write the sum.

1.

$$1 \text{ ten} + 8 \text{ tens} = \underline{\quad} \text{ tens}$$

$$10 + 80 = \underline{\quad}$$

2.

$$4 \text{ tens} + 3 \text{ tens} = \underline{\quad} \text{ tens}$$

$$40 + 30 = \underline{\quad}$$

3.

$$2 \text{ tens} + 6 \text{ tens} = \underline{\quad} \text{ tens}$$

$$20 + 60 = \underline{\quad}$$

4.

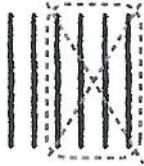
$$5 \text{ tens} + 3 \text{ tens} = \underline{\quad} \text{ tens}$$

$$50 + 30 = \underline{\quad}$$

Subtract Tens

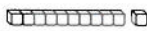
COMMON CORE STANDARD CC.1.NBT.6

Use place value understanding and properties of operations to add and subtract.

What is $60 - 40$?

$$6 \text{ tens} - 4 \text{ tens} = \underline{2} \text{ tens}$$

$$60 - 40 = \underline{20}$$

Use .
Show 6 tens.
Take away 4 tens.
2 tens are left.

Use . Draw to show tens.

Write how many tens. Write the difference.

1.

$$7 \text{ tens} - 4 \text{ tens} = \underline{\quad} \text{ tens}$$

$$70 - 40 = \underline{\quad}$$

2.

$$9 \text{ tens} - 5 \text{ tens} = \underline{\quad} \text{ tens}$$

$$90 - 50 = \underline{\quad}$$

3.

$$5 \text{ tens} - 2 \text{ tens} = \underline{\quad} \text{ tens}$$

$$50 - 20 = \underline{\quad}$$

4.

$$8 \text{ tens} - 7 \text{ tens} = \underline{\quad} \text{ ten}$$

$$80 - 70 = \underline{\quad}$$

COMMON CORE STANDARD CC.1.NBT.4

Use a Hundred Chart to Add

Use place value understanding and properties of operations to add and subtract.

You can count on to add on a hundred chart.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Start at 21. Move right to count on 3 ones. Count

$$\begin{array}{r} 22 \\ \hline \end{array}, \begin{array}{r} 23 \\ \hline \end{array}, \begin{array}{r} 24 \\ \hline \end{array}$$

$$21 + 3 = \underline{24}$$

Start at 68. Move down to count on 3 tens. Count

$$\begin{array}{r} 78 \\ \hline \end{array}, \begin{array}{r} 88 \\ \hline \end{array}, \begin{array}{r} 98 \\ \hline \end{array}$$

$$68 + 30 = \underline{98}$$

Use the hundred chart to add.**Count on by ones.**

1. $46 + 2 = \underline{\quad}$

2. $63 + 3 = \underline{\quad}$

Count on by tens.

3. $52 + 30 = \underline{\quad}$

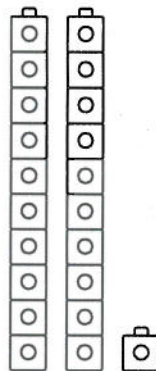
4. $23 + 40 = \underline{\quad}$

Use Models to Add

COMMON CORE STANDARD CC.1.NBT.4


Use place value understanding and properties of operations to add and subtract.

Add ones to a two-digit number.



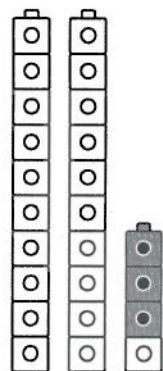
21

+



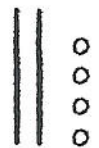
3

=

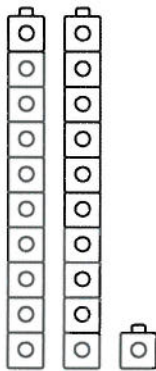


24

THINK
Draw 2 tens
and 4 ones.

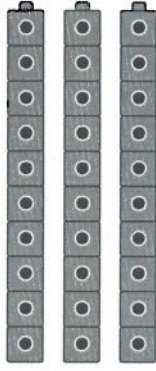


Add tens to a two-digit number.



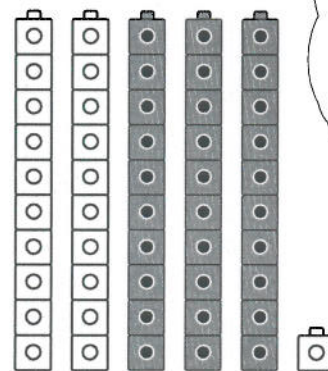
21

+



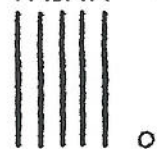
30

=



51

THINK



Use . Draw to show how to add the ones or tens. Write the sum.

1. $15 + 2 = \underline{\quad}$

2. $15 + 20 = \underline{\quad}$

COMMON CORE STANDARD CC.1.NBT.4

Use place value understanding and properties of operations to add and subtract.

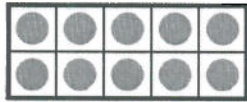
Make Ten to Add

What is $17 + 5$?

Step 1

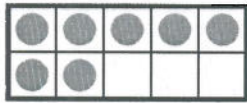
Use .

Show 17.



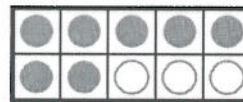
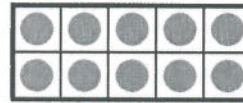
Use .

Show 5.



Step 2

Make a ten.



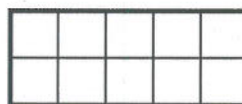
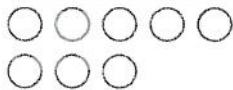
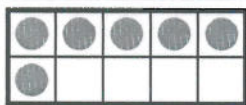
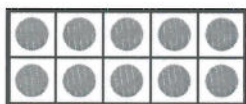
Step 3 Add.

$$20 + 2 = \underline{22}$$

$$\text{So, } 17 + 5 = \underline{22}.$$

Draw to show how you make a ten. Find the sum.

1. What is $16 + 8$?



$$\underline{20} + \underline{4} = \underline{24}$$

$$\text{So, } 16 + 8 = \underline{\quad}.$$

COMMON CORE STANDARD CC.1.NBT.4

Use place value understanding and properties of operations to add and subtract.

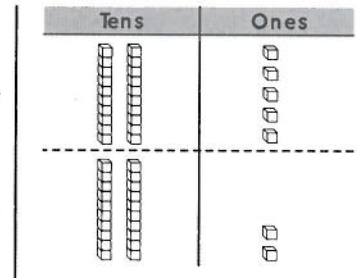
Use Place Value to Add

You can use tens and ones to help you add.

Add 25 and 22.

Show 25. →

Show 22. →



How many tens?

2 tens + 2 tens = 4 tens

How many ones?

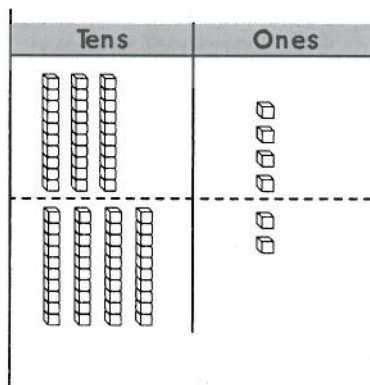
5 ones + 2 ones = 7 ones

$$\begin{array}{r} \underline{4} \text{ tens} + \underline{7} \text{ ones} \\ 40 + 7 = 47 \end{array}$$

$$\begin{array}{r} 25 \\ +22 \\ \hline 47 \end{array}$$

Use tens and ones to add.

1. Add 34 and 42.



3 tens + 4 tens = _____ tens

4 ones + 2 ones = _____ ones

_____ tens + _____ ones

_____ + _____ = _____

$$\begin{array}{r} 34 \\ +42 \\ \hline \end{array}$$

Name _____

COMMON CORE STANDARD CC.1.NBT.4
Use place value understanding and properties of operations to add and subtract.

Problem Solving • Addition

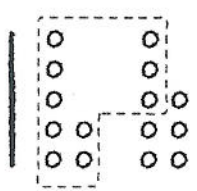
Word Problems

Morgan plants 17 seeds.

Amy plants 8 seeds.

How many seeds do they plant?

Unlock the Problem

<p>What do I need to find?</p> <p>_____</p> <p>how many <u>seeds</u> they plant</p>	<p>What information do I need to use?</p> <p>Morgan plants <u>17</u> seeds.</p> <p>Amy plants <u>8</u> seeds.</p>
<p>Show how to solve the problem.</p> <div style="display: flex; align-items: center;"><div style="margin-right: 20px;"></div><div><p>count on ones (make a ten) add tens and ones</p></div></div> <p>_____ seeds.</p>	

Draw to solve. Circle your reasoning.

1. Edward buys 24 tomato plants.
He buys 15 pepper plants.
How many plants does he buy?

count on tens
make a ten
add tens and ones

_____ plants

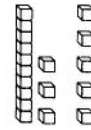
COMMON CORE STANDARDS CC.1.NBT.4, CC.1.NBT.6

Use place value understanding and properties of operations to add and subtract.

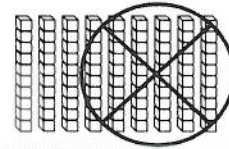
Practice Addition and Subtraction

You can use models to add and subtract.

$$13 + 5 = \underline{18}$$



$$90 - 60 = \underline{30}$$



Add or subtract.

1. $33 + 6 = \underline{\quad}$	2. $10 + 10 = \underline{\quad}$	3. $15 - 8 = \underline{\quad}$
4. $6 + 7 = \underline{\quad}$	5. $54 + 23 = \underline{\quad}$	6. $71 + 8 = \underline{\quad}$
7. $5 + 5 = \underline{\quad}$	8. $8 - 8 = \underline{\quad}$	9. $16 + 3 = \underline{\quad}$
10. $55 + 12 = \underline{\quad}$	11. $9 - 7 = \underline{\quad}$	12. $30 - 10 = \underline{\quad}$