

Model and Draw

Mrs. Meyers sold 47 snacks before the game. Then she sold 85 snacks during the game. How many snacks did she sell?



Step 1 Add the ones.

$$7 + 5 = 12$$

Regroup 12 ones as 1 ten 2 ones.

$$\begin{array}{r} | \\ 47 \\ + 85 \\ \hline 2 \end{array}$$

Step 2 Add the tens.

$$1 + 4 + 8 = 13$$

$$\begin{array}{r} | \\ 47 \\ + 85 \\ \hline 2 \end{array}$$

Step 3 13 tens can be regrouped as 1 hundred 3 tens. Write the hundreds digit and the tens digit in the sum.

$$\begin{array}{r} | \\ 47 \\ + 85 \\ \hline 132 \end{array}$$

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Write the sum.

1.

$$\begin{array}{r} 38 \\ + 94 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 45 \\ + 52 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 83 \\ + 76 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 56 \\ + 35 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 63 \\ + 51 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 74 \\ + 49 \\ \hline \end{array}$$

Model and Draw

There are different ways to add three numbers.

How can you add 23, 41, and 17?

Think of different ways to choose digits in the ones column to add first.

You can make a ten first. Then add the other ones digit. Then add the tens.

$$\begin{array}{r} 2 \text{ } \textcircled{3} \\ 4 \text{ } 1 \\ + 1 \text{ } \textcircled{7} \\ \hline \end{array} \quad \begin{array}{l} 3 + 7 = 10 \\ 10 + 1 = 11 \end{array}$$

Add from top to bottom. First add the top two digits in the ones column, then add the next digit. Then add the tens.

$$\begin{array}{r} 2 \text{ } \textcircled{3} \\ 4 \text{ } \textcircled{1} \\ + 1 \text{ } 7 \\ \hline \end{array} \quad \begin{array}{l} 3 + 1 = 4 \\ 4 + 7 = 11 \end{array}$$

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Add.

1.
$$\begin{array}{r} 33 \\ 34 \\ + 32 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 47 \\ 21 \\ + 7 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 65 \\ 13 \\ + 15 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 58 \\ 27 \\ + 22 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 12 \\ 22 \\ + 36 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 10 \\ 42 \\ + 36 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 31 \\ 21 \\ + 16 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 30 \\ 29 \\ + 48 \\ \hline \end{array}$$

Model and Draw

You can add digits within a column in any order.
Add the ones first. Then add the tens.

Find a sum that you know.
Then add to it.

$$\begin{array}{r} 31 \\ 14 \\ 27 \\ + 24 \\ \hline \end{array}$$

THINK:
 $8 + 1 = 9$, then add
on 7 more. The sum
of the ones is 16
ones.

Add pairs of digits first.
Then add these sums.

$$\begin{array}{r} 31 \\ 14 \\ 27 \\ + 24 \\ \hline \end{array}$$

THINK:
 $5 + 11 = 16$,
so there are 16
ones in all.

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Add.

1.

$$\begin{array}{r} 23 \\ 11 \\ 22 \\ + 31 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 30 \\ 15 \\ 3 \\ + 25 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 13 \\ 26 \\ 54 \\ + 12 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 27 \\ 2 \\ 23 \\ + 13 \\ \hline \end{array}$$

5.

$$\begin{array}{r} 45 \\ 14 \\ 35 \\ + 51 \\ \hline \end{array}$$

6.

$$\begin{array}{r} 32 \\ 21 \\ 15 \\ + 30 \\ \hline \end{array}$$

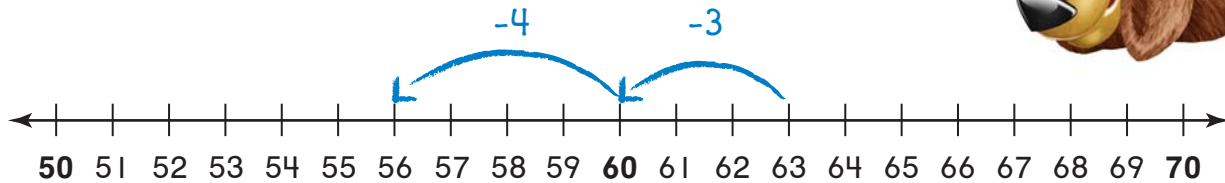
Model and Draw

Break apart ones. Subtract in two steps.

$$63 - 7 = \square$$

3 4

Start at 63.
Subtract 3 to get
to 60. Then subtract
4 more.

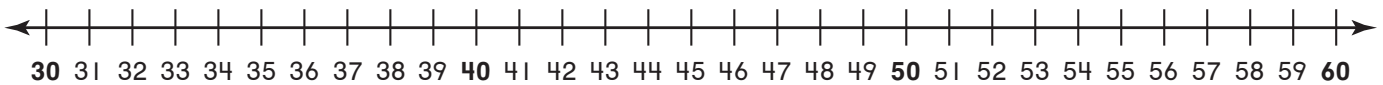


So, $63 - 7 =$ _____.

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Break apart ones to subtract. Write the difference.



l. $55 - 8 = \underline{\hspace{2cm}}$

2. $42 - 5 = \underline{\hspace{2cm}}$

3. $41 - 9 = \underline{\hspace{2cm}}$

4. $53 - 6 = \underline{\hspace{2cm}}$

5. $44 - 7 =$ _____

6. $52 - 8 =$ _____

Model and Draw

Break apart the number you are subtracting into tens and ones.

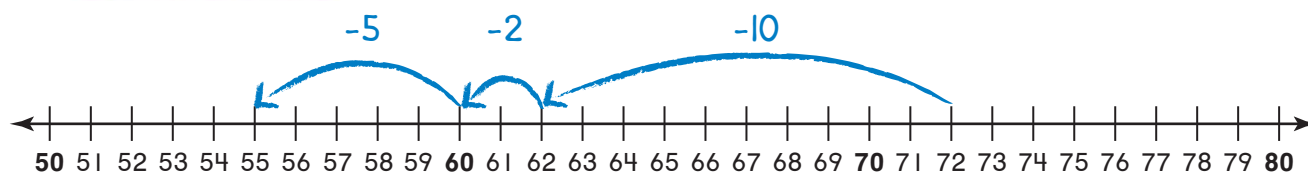
Subtract 10.

Next, subtract 2 to get to 60.

Then subtract 5 more.

$$72 - 17 = \square$$

$$10 + 2 + 5 = 17$$



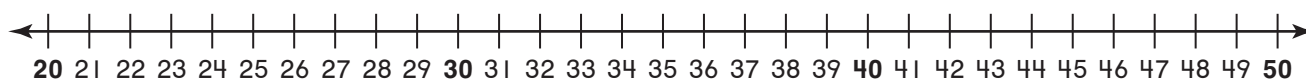
So, $72 - 17 = \underline{\quad\quad}$.

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Break apart the number you are subtracting.

Write the difference.



1. $43 - 18 = \underline{\quad\quad}$

2. $45 - 14 = \underline{\quad\quad}$

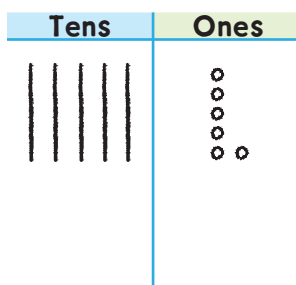
3. $46 - 17 = \underline{\quad\quad}$

4. $44 - 16 = \underline{\quad\quad}$

Model and Draw

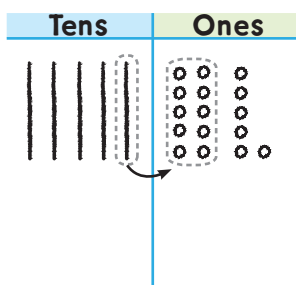
Subtract. 56
 $- 19$

Step 1 Show 56. Are there enough ones to subtract 9?



Tens	Ones
5	6
- 1	9

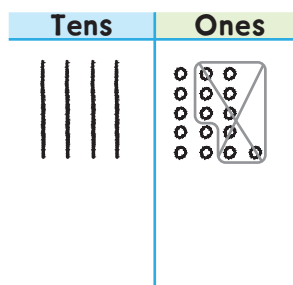
Step 2 If there are not enough ones, regroup 1 ten as 10 ones.



Tens	Ones
4	16
5	6
- 1	9

Step 3 Subtract the ones.

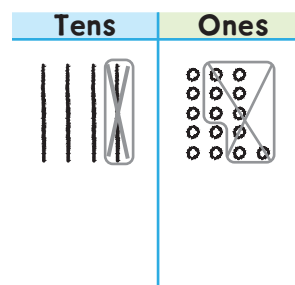
$$16 - 9 = 7$$



Tens	Ones
4	16
5	6
- 1	9
	7

Step 4 Subtract the tens.

$$4 - 1 = 3$$



Tens	Ones
4	16
5	6
- 1	9
3	7

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Draw a quick picture to solve.
Write the difference.

1.

Tens	Ones
4	7
- 1	5

Tens	Ones

2.

Tens	Ones
3	2
- 1	8

Tens	Ones