

## ESTIMATION

### What Is Estimation?

When you make an estimate, you are making a guess that is approximate. This is often done by rounding.

### How to Estimate:

- When estimating, you will often need to **round off** the numbers with which you are working.

#### For example:

There are 148 gumballs in three jars. If the jars have about the same amount, estimate how many gumballs are in each jar?

#### To solve this problem:

- Find the number of gumballs in each jar.  
work with
- Round the number of gumballs in each jar to the nearest ten.  
ately 50
- Subtract the number of gumballs in each jar from the total number of gumballs.  
before adding

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#### For example:

To estimate the **sum** of 23 and 17:

- First round 23 and 17 to the nearest ten.  
23 rounded to the nearest ten is 20  
17 rounded to the nearest ten is 20
- Then add 20 and 20 together.  
 $20 + 20 = 40$

To estimate the **difference** between 32 and 14:

- First round 32 and 14 to the nearest ten.  
32 to the nearest ten is 30  
14 to the nearest ten is 10
- Then subtract 10 from 30.  
 $30 - 10 = 20$

## Try This!

Estimate the sum of the following.

$24 + 37 = \underline{\hspace{2cm}}$

$62 + 19 = \underline{\hspace{2cm}}$

$31 + 46 = \underline{\hspace{2cm}}$

$18 + 48 = \underline{\hspace{2cm}}$

Estimate the difference of the following.

$48 - 31 = \underline{\hspace{2cm}}$

$52 - 29 = \underline{\hspace{2cm}}$

$88 - 53 = \underline{\hspace{2cm}}$

$76 - 20 = \underline{\hspace{2cm}}$



**PREVIEW**

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