

$2 + 3 = 5$

plus

minus

$3 - 2 = 1$

$2 \times 3 = 6$

times

divided by

$6 \div 2 = 3$

$4 + 3 = 7$

equals

hundred

 $1,200$

How do they say it?

Symbol	Interpretation	Example
=	equals	$1/5 = 0.2$ One fifth equals zero point two.
+	plus, add	$A + B = C$ A plus B equals C. Add A and B to get C.
-	minus, subtract	$A - B = C$ A minus B is C. Subtract B from A to get C.
×	multiplied by, times	$A \times B = C$ A multiplied by B comes to C.
÷, /	divided by, over	$A \div B = C$ A divided by B equals C. $A / B = C$ A over B is C.
1,200	one thousand two hundred or twelve hundred	The new equipment costs twelve hundred dollars.

Get ready!

- 1 Before you read the passage, talk about these questions.

- 1 What is the difference between adding and subtracting?
- 2 What is the difference between multiplying and dividing?

Reading

- 2 Read the poster. Then, mark the following statements as true (T) or false (F).

- 1 Five times three equals five multiplied by three.
- 2 Eight divided by two is six.
- 3 To get a larger amount of material, someone must add more material.

Vocabulary

- 3 Read the sentence pairs. Choose which word or phrase best fits each blank.

- 1 multiplied by / plus

- A Ten _____ four equals forty.
B Six _____ four equals ten.

- 2 over / minus

- A One quantity _____ another is the same as subtracting one quantity from another.
B In division, one quantity is _____ another.

- 3 times / divided by

- A Six _____ two equals three.
B Six _____ two equals twelve.

- 4 Fill in the blanks with the correct words from the word bank.

Word BANK

equals subtract hundred times add

- To get a smaller quantity, _____ one quantity from another.
- Seven minus two _____ five.
- The factory employs three _____ people.
- A quantity _____ another quantity is multiplication.
- The office needs to _____ ten desks for the new workers.

- 5 Listen and read the poster again. What is an alternate way to express the quantity "one thousand five hundred"?

Listening

- 6 Listen to a conversation between an engineer and an assistant. Choose the correct answers.

- What is the conversation mostly about?
 - where to find the correct measurements for a project
 - a system malfunction caused by a mathematical error
 - instructions for writing measurements
 - which type of mathematical operation to use
- What does the man need to do?
 - subtract
 - add
 - multiply
 - divide

- 7 Listen again and complete the conversation.

- Engineer: Hey, Lou? Where are those aluminum rods
1 _____?
- Assistant: They're on the workbench.
- Engineer: I checked. They are only sixteen 2 _____.
- Assistant: That's right. 3 _____ two centimeters from
the previous measurements, like you asked.
- Engineer: I wanted you to 4 _____ centimeters.
- Assistant: Oh, I misunderstood. 5 _____ eighteen
centimeters *minus* two.
- Engineer: That's okay. 6 _____ new rods as
soon as you can.

Speaking

- 8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Where are ...?

I ..., like you asked

So, they're supposed to be ...

Student A: You are an engineer.

Talk to Student B about:

- an item you asked for
- a problem with the measurement of the item
- what operations he or she is supposed to perform

Student B: You are an assistant.

Talk to Student A about a problem with the measurement of an item.

Writing

- 9 Use the poster and the conversation from Task 8 to fill out the email from an engineer to an assistant.

Hi Lou,

There's a problem with the tiles. I need ones that are _____ across. However, these are _____

across. I think you used the wrong operation

when you calculated the measurements.

You were supposed to _____

_____ multiply by two centimeters

to the previous measurement. Instead,

you _____.

Please watch out for these errors in
the future.

Nell

