



القاسية
A calculator

- القسمة
divide
- الضرب
multiply/times
- الطرح
subtract/minus
- الجمع
add/plus
- المساوي
equals

A Read the text and look at the picture.

Arithmetic is a part of mathematics. It involves four basic operations, +, -, x, ÷. We call these operations in English, addition (+), subtraction (-), multiplication (x), division (÷). Each arithmetic operation has a result. We show the result after the equals sign (=).

add, subtract and multiply. We say **plus**, **minus** and **times** instead. So we describe the first three operations above as:

- two plus two equals four $2 + 2 = 4$
- four minus two equals two $4 - 2 = 2$
- two times three equals six $2 \times 3 = 6$

We use arithmetic so we can:

- add one number to [and] another number; for example, $2 + 2 = 4$
- subtract one number from another number; for example, $4 - 2 = 2$
- multiply one number by another number; for example, $2 \times 3 = 6$
- divide one number by another number; for example, $6 \div 3 = 2$

With division, we sometimes turn the sum around and use **into**. So we say:

three into six equals two. $6 \div 3 = 2$

In a long sum, we do the calculations in order from left to right. So $3 \times 8 - 7$ is the same as $3 \times 8 = 24$ then $- 7 = 17$. If you want addition or subtraction to happen first, put that part of the sum inside **brackets** (). So $3 \times (8 - 7)$ is the same as $8 - 7 = 1$, then $\times 3 = 3$. Remember this rule as **brackets over division, multiplication, addition, subtraction** or **BODMAS**.

However, when we talk about the first three operations, we don't normally use the verbs

B Write each sum in numbers and arithmetic signs.

- 1 five times two equals ten $5 \times 2 = 10$
- 2 fifteen divided by three equals five $15 \div 3 = 5$
- 3 twenty-one plus fourteen equals thirty-five $21 + 14 = 35$
- 4 six thousand and twenty-four minus one thousand three hundred and seventy-nine equals four thousand six hundred and forty-five $6024 - 1379 = 4645$
- 5 three times eight minus seven equals seventeen $3 \times 8 - 7 = 17$
- 6 three times open brackets eight minus seven close brackets equals three $3 \times (8 - 7) = 3$
- 7 ninety-five point six minus twenty-seven point one equals sixty-eight point five $95.6 - 27.1 = 68.5$
- 8 one hundred and forty-four divided by six equals twenty-four $144 \div 6 = 24$
- 9 ten times ten times one thousand equals one hundred thousand $10 \times 10 \times 1000 = 100000$
- 10 a quarter plus a half equals three-quarters $\frac{1}{4} + \frac{1}{2} = \frac{3}{4}$
- 11 one-third minus one-sixth minus one-ninth equals one-eighteenth $\frac{1}{3} - \frac{1}{6} - \frac{1}{9} = \frac{1}{18}$
- 12 thirty-nine point seven five four minus nought point eight one two equals thirty-eight point nine four two $39.754 - 0.812 = 38.942$

C Complete the sentences about the sums in Exercise B. Use the words in the box. There are two extra words.

addition ^{إضافة} decimals ^{كسور عشرية} division ^{قسمة} fraction ^{كسر} multiplication ^{ضرب} result ^{نتيجة} subtraction ^{طرح}

- 1 The ninth one is a multiplication sum.
- 2 The third one is an addition sum.
- 3 The fourth one is a subtraction sum.
- 4 The result of the fifth one is seventeen.
- 5 The seventh one involves decimals.

D Say the sums below. Use words from the table.

Sign	+	-	×	÷	=
operation	add	subtract - from	multiply - by	divide	equals
other words	plus, and	from, minus, take away	times	into	comes to, is

- 1 $10 \div 2 = 5$
- 2 $5 \times 3 = 15$
- 3 $4 \times (8 \div 2) = 16$
- 4 $65.8 + 21.7 = 87.5$
- 5 $1,974 - 29 = 1,945$
- 6 $\frac{1}{4} + \frac{5}{8} = \frac{7}{8}$
- 7 $40 - 31 = 9$
- 8 $7,426 - 1,235 = 6,191$

في هذا السؤال الدكتور حفظ

قالت ان نقرئهم قرأوة هو مثل B في أحد صفحات أرقام

How to use the Casio HS-85TE

Your new pocket calculator is easy to use. You can add, subtract, multiply and divide in a moment.

Do some simple calculations first, then try some harder ones.



How to turn on the Casio HS-85TE

Press the AC/ON key.

How to calculate with whole numbers

Example 1: Add 2 and 2

Press the 2 key, then the + key, then 2 again. Finally, press =. The result, 4, appears on the screen.

Example 2: Multiply 2 by 3

Press the 2 key, then the × key, then 3. Finally, press =. The result, 6, appears on the screen.

How to correct a mistake

If you make a mistake, press the DEL (for delete) key. This removes the last number or sign.

How to clear the screen

Before you do a calculation, remove any numbers from the screen. In other words (clear the account) Press AC/ON. (AC =

How to calculate with decimals

Press the numbers before the decimal, then press the decimal point key (.) and then the numbers after the decimal.

Example 3: Add 26.7 and 43.5

Press 2, 6, ., 7, +, 4, 3, ., 5, =

How to calculate with percentages

What is 50%? It is the same as a half or $\frac{1}{2}$, which is 1 divided by 2. You can check this on Supercalc. Press 1 ÷ 2, then %.

The number 50 appears on the screen. Don't press the equals sign when you are calculating percentages. Try another one.

If you buy something for \$10 and the shopkeeper gives you a discount of \$1.50, what percentage discount is that? Press 1.50, then ÷, then 10, then %. The number on the screen (15) is the percentage.

مثلاً: 1.50 ÷ 10 = 0.15 = 15%

A Read the text opposite. Choose the best answer in each case.

- 1 This text comes from:
 - a a dictionary.
 - b** an instruction leaflet.
 - c an encyclopedia.
 - d a website.
- 2 Use the AC/ON key to:
 - a turn on the calculator.
 - b show the result.
 - c clear the screen.
 - d** turn on the calculator and clear the screen.
- 3 Use the DEL key to:
 - a clear the screen.
 - b remove the last sign.
 - c remove the last number.
 - d** remove the last sign or number.
- 4 To add 26.7 and 43.5, press:
 - a eight keys.
 - b nine keys.
 - c** 10 keys.
 - d 11 keys.
- 5 Choose the correct set of keys to calculate a percentage on this calculator.
 - a first number, second number, %
 - b first number, divide, second number, equals, %
 - c** first number, divide, second number, %
 - d first number, divide, second number, %, equals

B Study the Grammar Box. Find and underline imperative forms in the text opposite.

Giving instructions

We use the **imperative** to give instructions.

Example:

Do a calculation.

Press the delete key.

We make the negative with **Don't + imperative**.

Example:

Don't clear the screen.

C Complete these instructions with a word from the box in each space. You can use the same word more than once.

clear do press recall store use don't then

How to use the Casio HS-85TE!

do long calculations with the Casio HS-85TE. store and recall numbers, then use them in new calculations.

For example: You want to calculate $2 / (7 - 4)$

press the 7 key, then the minus key, then 4.

then press =. The result (3) appears automatically.

store the number in memory. press the MS (memory store) key.

clear the screen. press the AC (account clear) key.

press the 2 key, then the divide key. Then recall the last result.

press the MR (memory recall) key. then press any key. You will see the result: 0.667.

AC (account clear) مسح
 MS (memory store) تخزين
 MR (memory recall) استرجاع