addend
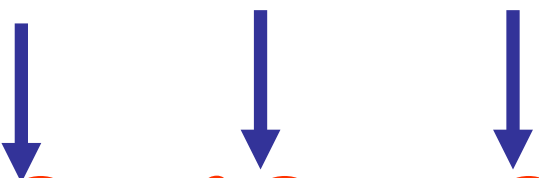
addends   sum

14 + 15 + 6 = 35

One of two or more numbers that are added.

ballpark estimate

27+39=66

30+40=70

A rough estimate used as a check on the reasonableness of an answer or when an exact figure is not necessary.

Greeley-Evans School District 6
2010-2011
Page 2 of 23
3rd Grade Everyday Math Unit 2 Vocabulary

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

change diagram

Start	Change	End
14	-5	9

14 – 5 = 9

A diagram used to represent situations in which quantities are either increased or decreased.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

change-to-less-number story

There were 14 birds in the tree. 5 flew away. How many birds were left?

$$14 - 5 = 9$$

A problem that you need to use a subtraction number model to solve.

change-to-more-number story

There were 14 birds in the tree. 5 more joined them. How many birds were there in all?

$$14 + 5 = 19$$

A problem that you need to use an addition number model to solve.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

comparison diagram

Quantity
12

Quantity	Quantity
9	?

$$12 = 9 + ?$$

A diagram used to represent situations in which two quantities are compared.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

comparison number story

Beth scored 14 points. Ivy scored 5 points. So Beth scored 9 more points than Ivy.

$$14 - 5 = 9$$

A problem that you need to find the difference between 2 separate quantities.

complement

The complement of 4 is:

$$10 - 4 = 6$$

The complement of 73 is:

$$80 - 73 = 7$$

The difference between a number (n) and the next multiple of 10.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

counting-up method

$$8 + 2 = 10$$

"8...9...10"

A strategy to find the sum by counting forward from a given number.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

fact extensions
(higher-decade facts)

$$5 + 8 = 13$$
$$50 + 80 = 130$$
$$500 + 800 = 1300$$

Calculations of large numbers using knowledge of basic facts.
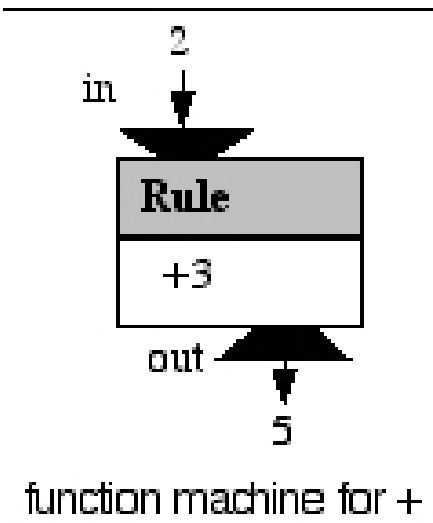
fact family

$3 + 4 = 7$
$4 + 3 = 7$
$7 - 4 = 3$
$7 - 3 = 4$

Related addition and subtraction facts.

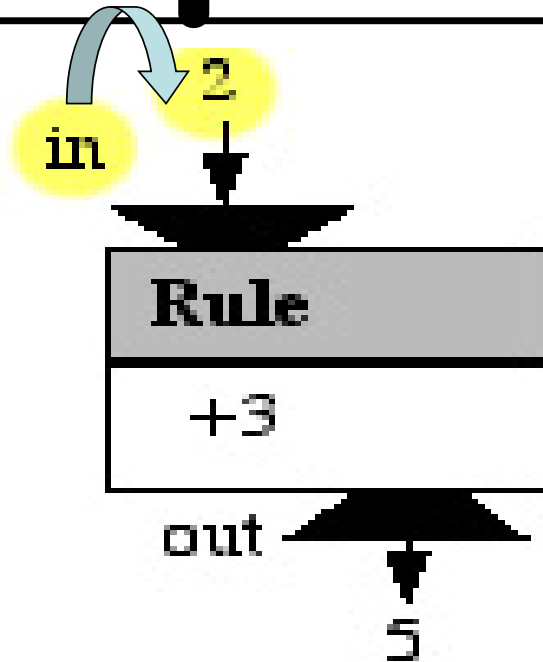# function machine

in
2 → Rule +3 → out 5

function machine for +

in	out
2	5
3	6
4	7
15	18
46	49

A number put in is changed into a second number through the use of the rule.

input

function machine for +

A number put into a function machine.

label
(measurement unit)
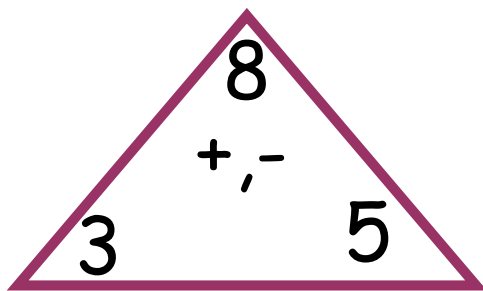
24 children

27 ducks

1 kg

3 o'clock

30 cents

Descriptive word or phrase used to put numbers in context.
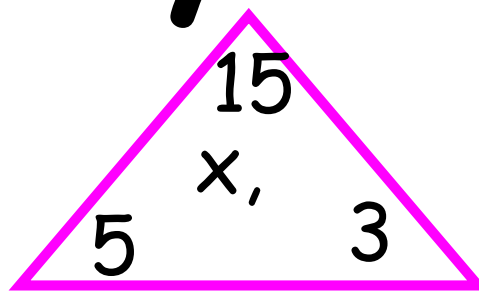
measurement unit

The reference unit used when measuring length, weight, capacity, time or temperature.

number family

8
+,−
3   5

3 + 5 = 8
5 + 3 = 8
8 − 3 = 5
8 − 5 = 3

15
x,
5   3

3 x 5 = 15
5 x 3 = 15
15   3 = 5
15   5 = 3

A triplet of numbers with two addends and their sum or two factors and their products.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

number model

Sara has three round blocks And 2 square blocks. How many blocks in all?
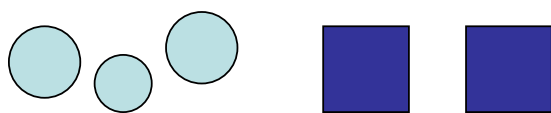
number model

3+2=5 blocks

A number sentence that models or fits a situation.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

partial-sums algorithm

```
   2 6 8
 + 4 8 3
 ─────────
   6 0 0   ← 1. Add 100's
   1 4 0   ← 2. Add 10's
 +   1 1     3. Add 1's
 ─────────
   7 5 1   ← Add partial sum
```

An addition procedure in with sums are computed for each place separately and then added to find the sum.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

part-and-total diagram

Total	
50	
Par	Part
24	26

A diagram used in problems when two or more quantities are combined to from a total quantity.

trade-first subtraction

Subtraction procedure in which all necessary trades are done before any subtractions are carried out.

turn-around facts

$$6 + 3$$
$$3 + 6$$

$$2 \times 3$$
$$3 \times 2$$

$$143 + 23$$
$$23 + 143$$

$$234 \times 5$$
$$5 \times 234$$

A pair of addition or multiplication facts in which the order of the addends or the factors is reversed.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

unit box

Unit
cents

Unit
dogs

Unit
days

Unit
inches

Unit
bats

A box displayed alongside a set of numbers or problems.

Greeley-Evans
WELD COUNTY SCHOOL DISTRICT 6

"What's My Rule?"

in	out
1	2
2	4
3	6
5	10
10	20
20	40
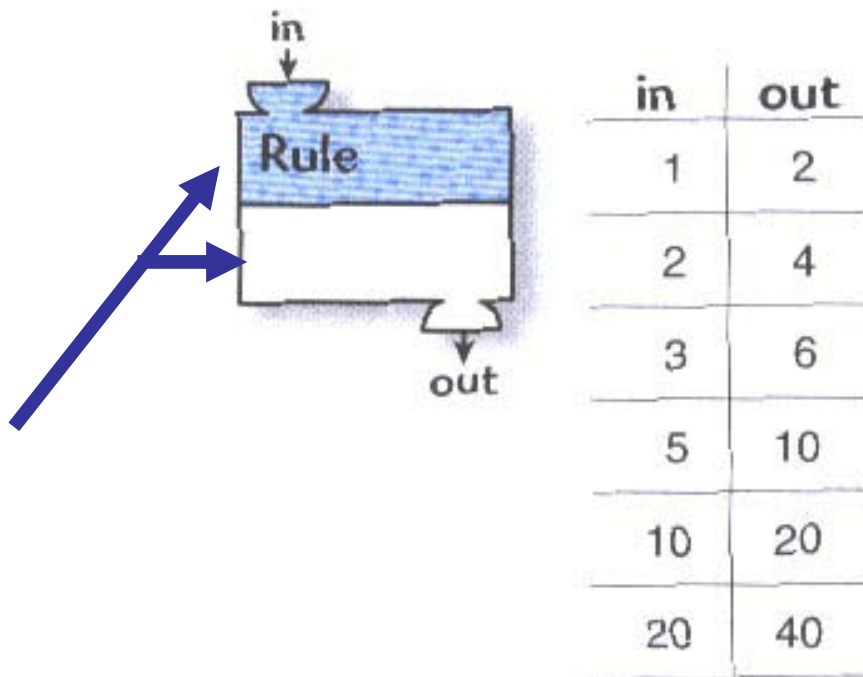
"What's My Rule?" problem

A routine that involves a set of number pairs in which the numbers in each pair are related to each other according to the same rule.