

Addition and Subtraction Bonds to 20

15 + 5 = 20
20 - 5 = 15
20 - 15 = 5

7 + 5 = 12
12 - 5 = 7
12 - 7 = 5

4 + 3 = 7

15 - 7 = 8

Vocabulary

add	To bring two or more numbers (or things) together to make a new total.
total	The result of adding. e.g. 1 + 4 gives a total of 5
plus	Another word for add
altogether	Including everything, in total.
difference	The result of subtracting one number from another. E.g. the difference between 8 and 5 is 3.
subtract	To take one number away from another. Synonyms: minus, take-away, decrease, deduct
less	A smaller amount of; not as much.
place value	The value of where a digit is in the number.
mentally	Doing the calculation in your head.
estimate	To find a value that is close enough to the right answer.
partition	Split into parts.
number facts	Addition, subtraction, multiplication and division calculations.

Methods – Addition

Pictorial

34 + 33 = 67

27 + 6 = 33

Abstract

Partitioning

23 + 14 =

20 + 10 = 30

3 + 4 = 7

30 + 7 = 37

Methods - Subtraction

Pictorial

62 - 28 = 34

6 tens and 2 ones becomes
5 tens and 12 ones subtract
2 tens and 8 ones equals
3 tens and 4 ones

33 - 6 = 27

Abstract

No exchange

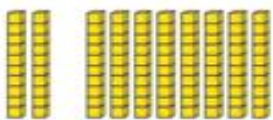
34 - 13 =

Exchanging

42 - 15 =

Addition and Subtraction Number Bonds to 20

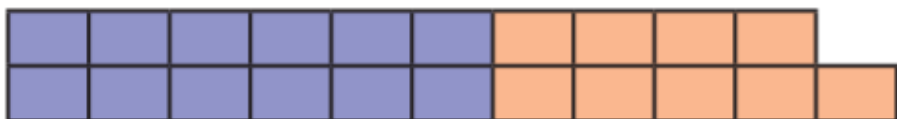
$2 + 8 = 10$
so $20 + 80 = 100$



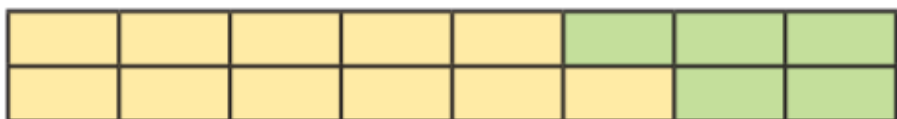
$32 + 68 = 100$
3 tens and 2 ones + 6 tens and 8 ones
= 9 tens and 10 ones = 10 tens = one hundred

Compare Number Sentences

Related Facts

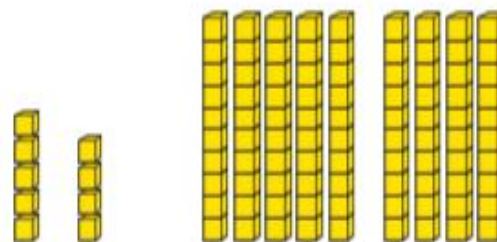


$6 + 4 < 6 + 5$



$5 + 3 = 6 + 2$

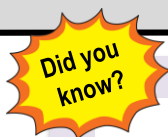
$5 + 4 = 9$ so $50 + 40 = 90$



Checking Calculations



$19 - 8 = 11$ can be checked using $8 + 11 = 19$



10 More or Less

30	40	50	60	70	80
47	57	67	77	87	97

The ones digit stays the same.

10 less	Number	10 more
1	11	21
34	44	54