



Maths

Addition and Subtraction y2

Knowledge

- Fact families – addition and subtraction bonds to 20
- Bonds to 100 (tens)
- Bonds to 100 (tens and ones)

Skills

- Check calculations
- Compare number sentences
- Related facts
- Add and subtract 1s
- 10 more and 10 less
- Add and subtract 10s
- Add a 2-digit and a 1-digit number – crossing ten
- Subtract a 1-digit number from a 2-digit number – crossing ten
- Add two 2-digit numbers – not crossing ten – add ones and add tens
- Add two 2-digit numbers – crossing ten – add ones and add tens
- Subtract a 2-digit number from a 2-digit number – not crossing ten
- Subtract a 2-digit number from a 2-digit number – crossing ten – subtract ones and tens
- Add three 1-digit numbers

Inspirational Mathematician

Rachel Riley (1986 – present)

Rachel Riley is a British television presenter. She co-presents the Channel 4 daytime puzzle show Countdown. She is a mathematics University graduate. She first appeared on television when she joined Countdown aged 22. With an interest in popularising mathematics and the sciences, she has since co-presented The Gadget Show on Channel 5 and It's Not Rocket Science on ITV.



Addition and subtraction bonds to 20



$$4 + 3 = 7$$



$$15 + 5 = 20$$

$$20 - 5 = 15$$

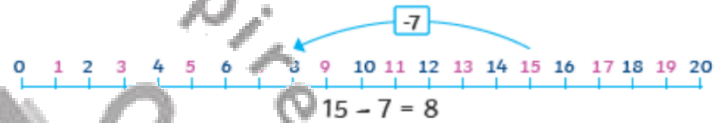
$$20 - 15 = 5$$



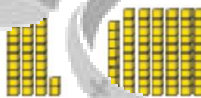
$$7 + 5 = 12$$

$$12 - 5 = 7$$

$$12 - 7 = 5$$

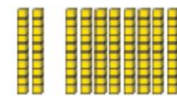


Addition and subtraction bonds to 100



$$2 + 8 = 10$$

$$\text{so } 20 + 80 = 100$$



$$32 + 68 = 100$$

3 tens and 2 ones + 6 tens and 8 ones

= 9 tens and 10 ones = 10 tens = one hundred

Methods

Add 2-digit numbers

$34 + 28 = 62$
3 tens and 4 ones
add
2 tens and 8 ones
equals
5 tens and 12 ones
becomes
6 tens and 2 ones

Add 2-digit and 1-digit

$27 + 6 = 33$

Subtract 1-digit from 2-digit

$33 - 6 = 27$

Subtract 2-digit numbers

$62 - 28 = 34$

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

More or Less

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

Take care when crossing hundreds:

86	96	106	116
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Vocabulary

Add, total, plus, sum, altogether, difference, leave, subtract, less, minus, mentally, column, estimate, inverse