



9.10.23

Number bonds to 10

How many ways can you make 10?

$$1 + 9 = 10$$

$$2 + 8 = 10$$

$$3 + 7 = 10$$

$$4 + 6 = 10$$

$$5 + 5 = 10$$

$$0 + 10 = 10$$



9.10.23

Number bonds to 10

CHALLENGE



Which calculations are incorrect?

$$3 + 7 = 10$$

$$10 = 3 + 7$$

$$7 + 3 = 10$$

$$10 = 7 + 3$$

$$10 - 7 = 3$$

$$7 - 3 = 10$$

$$3 - 10 = 7$$

$$7 = 10 - 3$$

Here are some digit cards.



Ben, Ann and Sam pick two cards each.

- Ben's cards are a bond to 10
- Ann's cards are a bond to 5
- Sam's cards have the same total as Ben's.

Which cards does each child have?



10.10.23

Number bonds to 20

Colour in the bonds to 20

10+9	11+9	16+4	5+11	7+7	4+16	6+12	3+3	4+11
10+10	19+0	15+5	8+9	9+11	15+4	3+17	12+7	13+5
6+8	18+3	8+12	14+7	18+2	15+6	13+7	8+8	9+12
13+6	20+0	14+5	8+14	19+1	6+5	2+18	3+7	11+7
7+13	14+8	3+16	20+2	5+15	16+7	0+20	5+4	1+3
6+14	12+8	17+3	18+4	4+9	14+6	13+5	7+2	5+6

Write the bonds to 20

$$5 + 5 = 10$$

$$15 + \underline{\quad} = 20$$

$$6 + 4 = 10$$

$$\underline{\quad} + 4 = 20$$

$$2 + 8 = 10$$

$$\underline{\quad} + \underline{\quad} = 20$$

$$1 + 9 = 10$$

$$\underline{\quad} + \underline{\quad} = 20$$



11.10.23

Number bonds to 10

How many ways can you make 10?

__ + __ = 10

__ + __ = 10

__ + __ = 10

__ + __ = 10

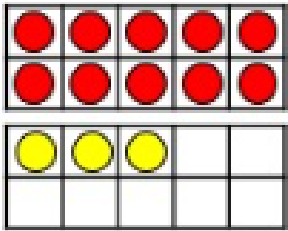
__ + __ = 10

__ + __ = 10

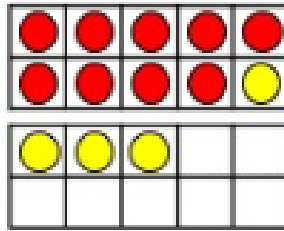


12.10.23

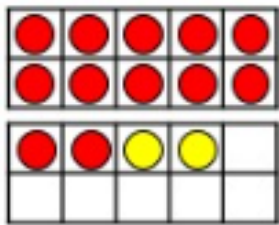
Related facts to within 20



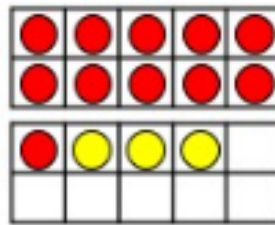
$$10 + \underline{\quad} = 13$$



$$9 + \underline{\quad} = 13$$



$$12 + \underline{\quad} = 14$$



$$11 + \underline{\quad} = 14$$

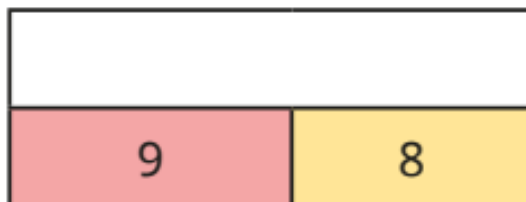
$$13 + \underline{\quad} = 15$$

$$\blacktriangleright \underline{\quad} + 16 = 18$$

$$20 = 11 + \underline{\quad}$$

$$\blacktriangleright 12 = \underline{\quad} + 0$$

There are 9 boys and 8 girls in a class.
Complete the bar model to show this.



Write the fact family for the bar model.



12.10.23

Related facts to within 20

CHALLENGE

Here are some number cards.



Choose three number cards to complete the number sentence.

$$\square + \square = \square$$

$$\square + \square = \square \quad \square + \square = \square$$

$$\square + \square = \square$$



12.10.23

Related facts to within 20

CHALLENGE

Here are some number cards.



Choose three number cards to complete the number sentence.

$$\square + \square = \square$$

$$\square + \square = \square \quad \square + \square = \square$$

$$\square + \square = \square$$