

California Content Standards — Grade 1

By the end of grade one, students understand and use the concept of ones and tens in the place value number system. Students add and subtract small numbers with ease. They measure with simple units and locate objects in space. They describe data and analyze and solve simple problems.

Number Sense

2.0 Students demonstrate the meaning of addition and subtraction and use these operations to solve problems:

2.1 Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory.

2.2 Use the inverse relationship between addition and subtraction to solve problems.

Student Exercise:

Remember the ways you can make 10.

$$0 + 10 =$$

$$2 + 8 =$$

$$4 + 6 =$$

$$6 + 4 =$$

$$8 + 2 =$$

$$10 + 0 =$$

10

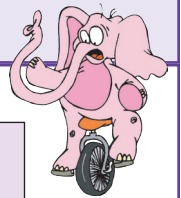
$$= 1 + 9$$

$$= 3 + 7$$

$$= 5 + 5$$

$$= 7 + 3$$

$$= 9 + 1$$



Now look at the ways that you can make 20.
Can you see any patterns?

$$0 + 20 =$$

$$2 + 18 =$$

$$4 + 16 =$$

$$6 + 14 =$$

$$8 + 12 =$$

$$20 + 0 =$$

20

$$10 + 10 =$$

$$= 1 + 19$$

$$= 3 + 17$$

$$= 5 + 15$$

$$= 7 + 13$$

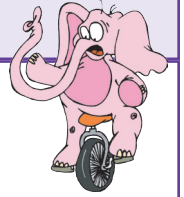
$$= 9 + 11$$

You can see that because $10 + 10 = 20$, that each of the numbers has one more ten added.

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Student Exercise:



Use the numbers from the last page to help you.
Join the numbers that add up to 10

2	←	3
4		5
5		8
7		2
8		6

Now **join** the numbers that add up to 20

2	←	13
4		15
5		18
7		12
8		16

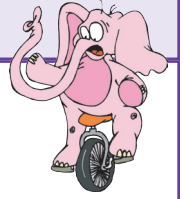
Can you see any patterns?

Answer: _____

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Student Exercise:



Below you can see the numbers you can add up to 10, which we have done for you.

Now **write** in the missing number to show what makes the numbers up to 20.

$$\boxed{6} + 4 = 10$$

$$\boxed{4} + 6 = 10$$

$$\boxed{2} + 8 = 10$$

$$\boxed{9} + 1 = 10$$

$$\boxed{5} + 5 = 10$$

$$\boxed{3} + 7 = 10$$

$$\boxed{1} + 9 = 10$$

$$\boxed{7} + 3 = 10$$

$$\boxed{8} + 2 = 10$$

$$\boxed{0} + 10 = 10$$

$$\boxed{} + 14 = 20$$

$$\boxed{} + 16 = 20$$

$$\boxed{} + 18 = 20$$

$$\boxed{} + 11 = 20$$

$$\boxed{} + 15 = 20$$

$$\boxed{} + 17 = 20$$

$$\boxed{} + 19 = 20$$

$$\boxed{} + 13 = 20$$

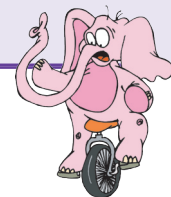
$$\boxed{} + 12 = 20$$

$$\boxed{} + 20 = 20$$

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Student Exercise:



Fact Family of 10.

10**10****10****10****10****1+9****2+8****3+7****4+6****5+5**

Write three more number sentences for the Fact Family.
Two examples are below.

$$\boxed{1} + \boxed{9} = \boxed{10}$$

$$\boxed{2} + \boxed{8} = \boxed{10}$$

$$\boxed{} + \boxed{} = \boxed{}$$

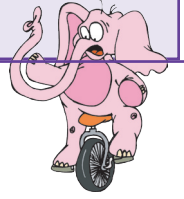
$$\boxed{} + \boxed{} = \boxed{}$$

$$\boxed{} + \boxed{} = \boxed{}$$

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Student Exercise:



Fill in the missing numbers.

$6 + \square =$

$7 + \square =$

$9 + \square =$

10

$2 + \square =$

$1 + \square =$

$3 + \square =$

5

$7 + \square =$

$6 + \square =$

$8 + \square =$

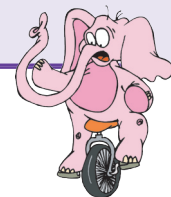
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Remember that you can always use a number line to help you



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- 2.1** Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory.
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Student Exercise:

Use the Ten Frame at the start of the section to find the answers to these subtraction problems.

$10 - 4 = \square$

$20 - 14 = \square$

$10 - 5 = \square$

$20 - 5 = \square$

$10 - 1 = \square$

$20 - 1 = \square$

$10 - 3 = \square$

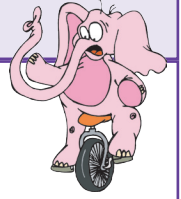
$20 - 3 = \square$

$10 - 8 = \square$

$20 - 18 = \square$

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- 2.2** Use the inverse relationship between addition and subtraction to solve problems.

Student Exercise:

Find the answers to these subtraction problems.

$10 - 6 = \square$

$20 - 4 = \square$

$10 - 0 = \square$

$20 - 15 = \square$

$10 - 9 = \square$

$20 - 19 = \square$

$10 - 7 = \square$

$20 - 17 = \square$

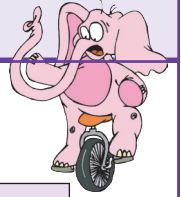
$10 - 2 = \square$

$20 - 2 = \square$

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Student Exercise:



$0 + 100 =$

$10 + 90 =$

$20 + 80 =$

$30 + 70 =$

$40 + 60 =$

100

$= 100 + 0$

$= 90 + 10$

$= 80 + 20$

$= 70 + 30$

$= 60 + 40$

$50 + 50 =$

Put the answers in the boxes.

Put the answers in the boxes.

$90 + \square = 100$

$\square + 40 = 100$

$30 + \square = 100$

$20 + \square = 100$

$\square + 50 = 100$

$70 + \square = 100$

You can always use the number line to help.

0 10 20 30 40 50 60 70 80 90 100