



Chapter 3 - Basic Facts and Relationships

Chapter Essential Question:

How can you use patterns and strategies to find sums and differences for basic facts?

Chapter Vocabulary:

sums: the answers to addition problems

addends: any of the numbers that are added

differences: the answers to subtraction problems

What should you know?

Doubles and Doubles Plus One Facts:

$$2+2=4 \text{ so } 2+3=5$$

$$6+6=12 \text{ so } 6+7=13$$

Changing the order of addends does not change the sum:

$$2+6=8$$

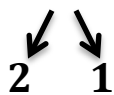
$$5+9=14$$

$$6+2=8$$

$$9+5=14$$

You can make a 10 to help you find the sum:

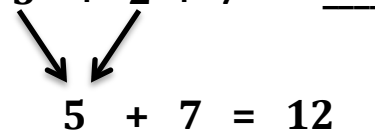
$$8 + 3 = \underline{\quad}$$



$$8+2=10 \text{ and } 10+1=11 \text{ so, } 8+3=11$$

You can group numbers in different ways to add:

$$3 + 2 + 7 = \underline{\quad}$$



$$5 + 7 = 12$$

You can use addition facts to remember differences. Related facts have the same whole and parts.

6

7

13

$$6 + 7 = 13$$

6

7

13

$$13 - 7 = 6$$

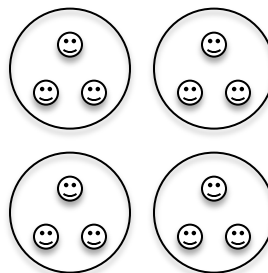
You can use 10 to subtract:

$$12 - 5 = \underline{\quad}$$



$$12-2=10 \text{ and } 10-3=7 \text{ so, } 12-5=7$$

Equal Groups and Repeated Addition:



$$3+3+3+3=12$$

