Warm-up

1. Model

a) (+5) - (+3)　　b) (-6) - (+7)　　c) (+9) - (-2)

$(+2)$

(-13)

2. Subtract without modelling　K-A-O

a) (-12) - (+9)　　b) (+10) - (+24)　　c) (+19) - (-17)

$(-12) + (-9)$　　$(+10) + (-24)$　　$(+19) + (+17)$

(-21)　　-14　　$(+36)$

$(+9) - (-2)$

$(+11)$

Review:

1. How do we model? Let's do these together

a) (-9) - (-10)　　　　b) (+16) - (+12)

$(+1)$　　　　$(+4)$

c) (-4) - (+3)　　　　d) (-5) - (-7)

-7　　　-7

-7　　　$(+2)$

Try on your own:

a) (-6) - (-8)

+2

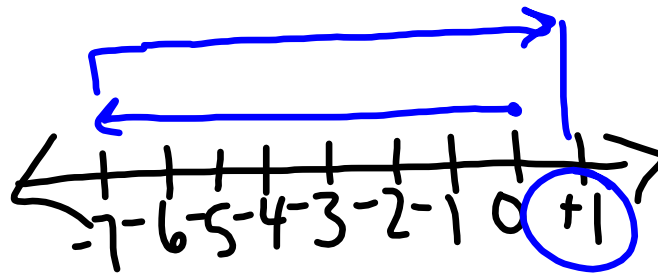b) (+11) - (+9)

c) (-12) - (+3)

-15

d) (+5) - (-7)

+12

How do we subtract without modelling?   K-A-O

1) (-9) - (+4)

$(-9) + (-4)$

-13

2) (+5) - (-6)

$(+5) + (+6)$

+11

3) (-7) - (-8)

$(-7) + (+8)$

+1

Try on your own

K-A-O

1) $(-6) - (+4)$

$= 10$

2) $(+7) - (-9)$

$+16$

3) $(-14) - (-8)$

-6

4) $(-16) - (+4)$

-20

5) $(+17) - (-11)$

$+28$

6) $(-12) - (-9)$

-3

Example 1:

A scuba diver is 20 feet below sea level. He descends another 12 feet. What is his new position?

Example 2:

The temperature is -3°C in the morning. By noon, it warms up by 5°C. What is the new temperature?

You try

1. A submarine is 50 meters below sea level. It descends 25 meters. Where is it now?

2. A business had a debt of $1200. They paid off $450. What is their new debt?

3. The temperature was 10°C but dropped by 18°C. What is the new temperature?

Homework:

worksheet

Attachments

Subtracting Integers Review HW.docx