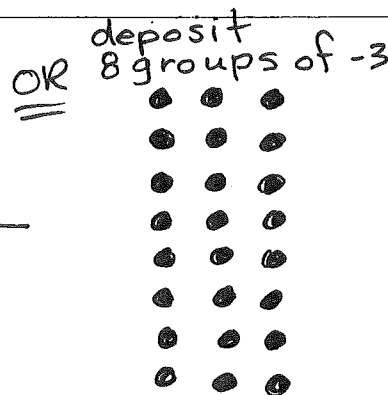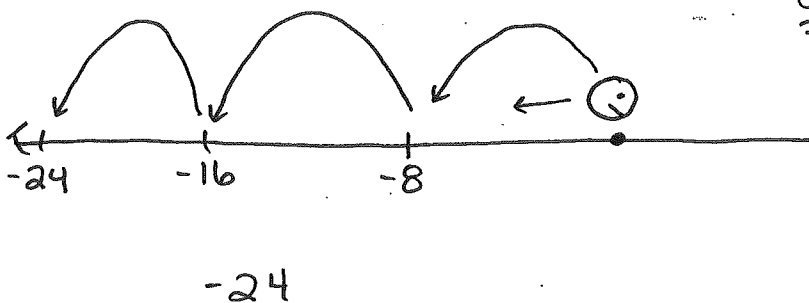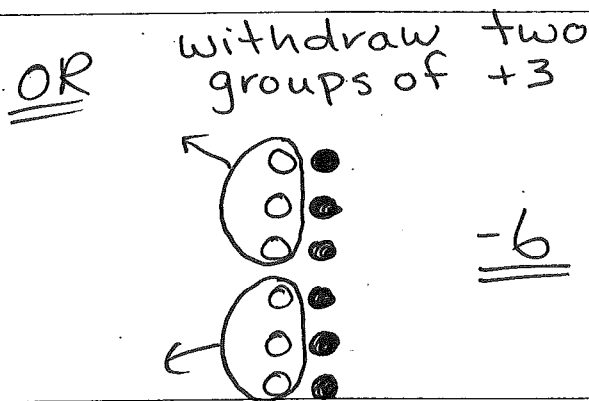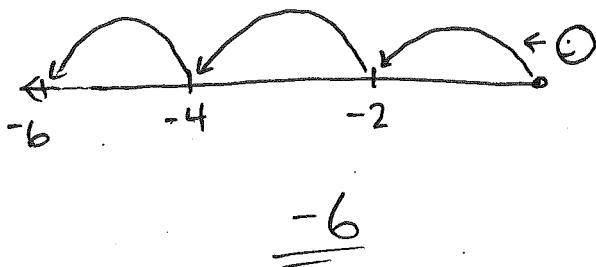Name:
Date:
Period:

#1 - Model the process of multiplying integers	#2 - Solve a given problem involving multiplication of integers without the use of technology	#3 - Model the process of dividing integers	#4 - Solve a given problem involving division of integers without the use of technology	#5 - Use order of operations to evaluate equations with integers

1) A) Model (+8) x (-3) using a number line.

OR deposit 8 groups of -3

-24   -16   -8

-24

1) B) Model (-2) x (+3) using a number line.
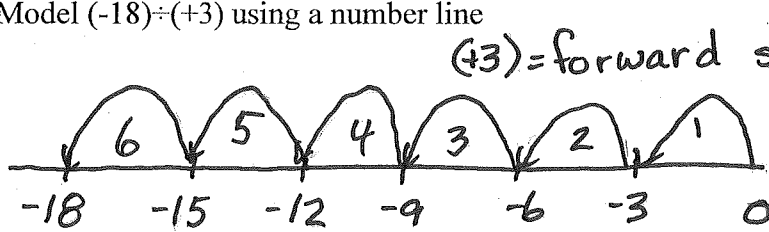
OR withdraw two groups of +3

-6   -4   -2

-6

-6

2) A) Find the product of (-6) x (-8)

+48

B) Find the Product of (+2) x (+11)

+ 22

3) A) Model (-18)÷(+3) using a number line

$(+3)$ = forward steps ∴ facing negative

∴ answer is neg've

6 5 4 3 2 1

-18 -15 -12 -9 -6 -3 0

$\boxed{-6}$

B) Model (+18) ÷ (+6) using a number line.
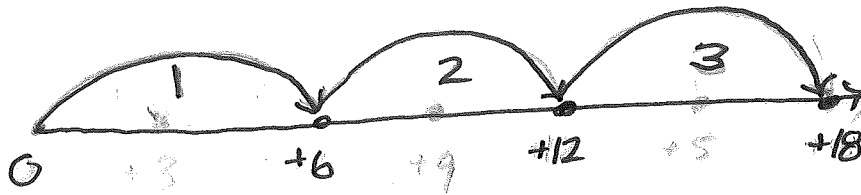
$(+6)$ = forward steps

∴ facing pos.

∴ answer is pos.

1 2 3

0 +6 +12 +18

$\boxed{+3}$

4) A) What is the quotient of (-35) ÷ (+5)?

-7

B) What is the quotient of (-16) ÷ (-4)

$+4$

5) A) Evaluate. Work down the page. Show all steps.

$$\frac{14 - 10 \div 2}{-3}$$

$$= \frac{14 - 5}{-3}$$

$$= \frac{9}{-3}$$

$$= \boxed{-3}$$

b) Evaluate. Work down the page. Show all work.

$$(-20)(-5) + 16 \div (-8)$$

$$+100 + 16 \div (-8)$$

$$+100 + (-2)$$

$$\boxed{+98}$$