Students are gone on the moose hunt so need more review

Similar to Friday

Test Oct. 5

Use the rule for Subtraction to answer the following:

(show work)   add   too

(a) (-27) - (-5) =

$(-27) + (+5)$
(-22)

(b) (-18) - (+4) =

$= (-18) + (-4)$
$= (-22)$

(c) (+70) - (-7) =

$= (+70) + (+7)$
$= (+77)$

(d) (+22) - (+5) =

$= (+22) + (-5)$
$= (+17)$

Use the rule for addition to answer the following:

(a) (+62) + (12) = $(+74)$ same

(b) (+40) + (-11) = $(+29)$ diff
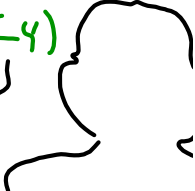
(c) (-1) + (+14) = $(+13)$ diff

(d) (-21) + (-7) = (-28) same

Use the rule answer the following:

a) (+5) - (-2) -(+10)

$= (+5) + (+2) - (+10)$
$= (+7) - (+10)$
$= (+7) + (-10)$
$= (-3)$

b) (-15) -(+2) + (-4)

$(-15) + (-2)$
$(-17) + (-4)$
(-21)

Use the rule for multiplication or division to answer the following:

(a) (+54) ÷ (-6) = (-9) diff

(b) (+12) x (+5) = $(+60)$ same

(c) (-9) X (-5) = $(+45)$ same

(d) (-99) ÷ (-3) = $(+33)$ same

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Name: _____

Grade 8 Integer Review (Add Subtract Multiply Divide)

Shaded is positive & Unshaded is negative

1. What sum does this set of tiles model? Write the **addition** equation.

$$(+4) + (-3) = (+1)$$

2. Write an **addition** statement that is modelled by 19 positive tiles and 16 negative tiles and state the sum.

$$(+19) + (-16) = (+3)$$

3. Use rules

a) $(-8) + (+12)$ ____ = $(+4)$

b) $(+10) + (-11)$ = (-1)

c) $(+5) + (-8)$ = (-3)

d) $(-12) + (+5)$ = (-7)

e) $(+15) - (-23)$ $(+15) + (+23)$ = $(+38)$

f) $(-24) - (-3)$ $(-24) + (+3)$ = (-21)

g) $(+5) - (+14)$ $(+5) + (-14)$ = (-9)

h) $(+17) - (+4)$ $(+17) + (-4)$ = $(+13)$

J) $(-8) - (+4) - (-9)$ $(-8) + (+4) - (-9)$ $(-4) + (+9)$ = $(+5)$

k) $(+5) + (+4) + (-7)$ $(+9) + (-7)$ = $(+2)$

4. Write the subtraction equation modelled by this diagram.

$$(+14) - (+6)$$
$$= (+8)$$

5. Bryan gets on an elevator at the 35th floor. The elevator goes down 17 floors then up 9 floors. At what floor does it finally stop? Write an addition statement.

6. Fill in the blank   A) $(-9) + \square = (+4)$

$(+12)$

b) $(+3) + \square = (-5)$

(-8)

7. Represent the sentence with integers, then find the sum (Write addition statement). The temperature fell 12°C then rose 17°C. What does the sum represent?

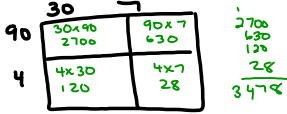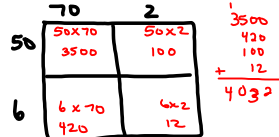$$(-12) + (+17) = (+5)$$

Total change was a rise of 5°.

8 A diver starts at sea level, goes down 10 m, rises 3 m, drops 6 m and rises 11 m.

a)   Represent the sentence with integers, then find the sum.

$$(-10) + (+3) + (-6) + (+11)$$
$$(-7) + (-6) + (+11)$$
$$(-13) + (+11)$$
$$(-2)$$

b)   How much further must the diver rise to reach the surface?

He is 2m below surface.

9. Which expression has the greater value?

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

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

A is greater

10. Find 2 integers that would make each of the sentences true.

a)   Positive integer – positive integer = +9

$$(+10) - (+1) = +9$$

b)   Positive integer – negative integer = +9

$$(+8) - (-1) = +9$$

c)   Negative integer – negative integer = +9

$$(-1) - (-10) = +9$$

11.   Use rules to find the product or quotient

a) $(+72) \div (-9)$ (-8)

b) $(+42) \times (+2)$ $(+84)$

c) $(-15) \times (-3)$ $(+45)$

d) $(-18) \div (-2)$ $(+9)$

e) $(-6) \times (+3)$ (-18)

f) $(-45) \div (+5)$ (-9)

12) Use the distributed property to find the product

a) $(-37) \times (+94)$ = -3478

	30	7
90	30×90 2700	90×7 630
4	4×30 120	4×7 28

2700
630
120
28
3478

b) $(-72) \times (-56) = (+4032)$

	70	2
50	50×70 3500	50×2 100
6	6×70 420	6×2 12

3500
420
100
+ 12
4032

13) Write and solve an equation for each word problem.

A) Sam pays back his mom $7 a day for a debt he owes her. If his total debt is $63, then how many days will it take Sam to pay back the debt?

$$(-63) \div (-7)$$
$$= (+9)$$

It will take Sam 9 days to pay back the debt.

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Class/Homework

Test Oct.5

Tomorrow
Adding, Subtracting, Multiplying, Dividing

Worksheet

Warm Up Quiz tomorrow on rules of add, subtract, multiply and divide

Homework Solutions
sheet 235

3a) $(+5) + \underline{+3} = +8$

b) $\underline{-1} + (-3) = -4$

c) $(+3) + \underline{-2} = +1$

d) $(-5) + \underline{+2} = -3$

e) $(+2) + \underline{-1} = +1$

f) $\underline{+6} + (-6) = 0$

4) a) $(+2) + (+3) = +5$ b) $(-3) + (+4) = +1$

c) $(-4) + (-5) = -9$ d) $(+8) + (-1) = +7$

e) $(-10) + (-6) = -16$ f) $(+4) + (-13) = -9$

5) a) $(-4) + (+7) = +3$

b) $(0) + (-6) = -6$

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Attachments

Grade 8 Math SHEET 235.docx

Grade 8 Math SHEET 283 Subtraction review.docx

Worksheet on Integer Revie rules of add sub mult divide separt PDF.pdf

Grade 8 Integer Review (add sub mult divid) WS.pdf