

Welcome to 3MI

Take out your Chromebooks and join the Classroom with code:



mbrr50



First:

Complete the Student Info Sheet
and Return it to the teacher.

THEN

Watch the integer videos and summarize the
rules in your notes. Please use your earbuds.

(Give it a TITLE of: Integers)

[Adding & Subtracting](#)

[Multiplying & Dividing](#)

There will be 4 examples that we will do together,
followed by some homework practice.

Evaluate the following:

a) $-5 + 8$

$= 3$

b) $-12 + 7$

$= -5$

c) $-10 + (-12)$

$= -(10 + 12)$

e) $15 - (-10)$

$= 15 + 10$

$= 25$

f) $6(3) - 8$

$= 18 - 8$

$= 10$

l) $30 \div (1 + 2) - 10$

$= 30 \div (3) - 10$

$= 10 - 10$

o) $8 \div (-4) + 4 \div (-2)^2$

$= (-2) + 4 \div (4)$

$= (-2) + 1$

$= -1$

$= 0$

Multiplying (and Dividing) Integer Rules:

- Negative times Negative = **Positive** $(-)(-) = +$
- Negative times **Positive** = Negative $(-)(+) = -$
- **Positive** times Negative = Negative $(+)(-) = -$
- Positive times Positive = **Positive** $(+)(+) = +$

MCF 3MI

Integers ReviewDate: Sept. 3/19
(Every lesson)

Ex. 1) Evaluate:

a) $-10 + (-12)$

$$= -10 - 12$$

$$= -22$$

b) $(-11) + (-4) + 12(-7) + 18$

$$= -11 - 4 - 84 + 18$$

$$= -99 + 18$$

$$= -81$$

c) $(-6) \times 9 \div (-3)$

$$= -54 \div (-3)$$

$$= +18$$

d) $\frac{21 + (-12) \div (-4)}{(-4 + 12) \div (-2)}$

$$= \frac{21 + (3)}{(8) \div (-2)}$$

$$= \frac{24}{-4}$$

$$= -6$$

Practice....

Work on p. 530 #1, 3, 4, 5

Note for 3e) the correct answer is 105;
the textbook is *incorrect!* (the answer is *NOT* 15/7)

Note for 4b) the correct answer is 20;
the textbook is *incorrect!* (the answer is *NOT* 3)

**Note: I always expect you to write the question,
then show the steps to the answer. This is Grade 11!**

Use texts in class or Google
Classroom - they are posted there
(on left in TOPICS).

$$\begin{aligned} 3a) & -7 + 4 - (-3) \\ & = -7 + 4 + 3 \\ & = 0 \end{aligned}$$

[09_FA_11_App_A_528-557.pdf](#)

PDF

Google Classroom

Practising

1. Evaluate.

- a) $6 + (-3)$
- b) $12 - (-13)$
- c) $-17 - 7$
- d) $(-23) + 9 - (-4)$
- e) $24 - 36 - (-6)$
- f) $32 + (-10) + (-12) - 18 - (-14)$

2. Which choice would make each statement true:

$>$, $<$, or $=$?

- a) $-5 - 4 - 3 + 3$ \blacksquare $-4 - 3 - 1 - (-2)$
- b) $4 - 6 + 6 - 8$ \blacksquare $-3 - 5 - (-7) - 4$
- c) $8 - 6 - (-4) - 5$ \blacksquare $5 - 13 - 7 - (-8)$
- d) $5 - 13 + 7 - 2$ \blacksquare $4 - 5 - (-3) - 5$

3. Evaluate.

- a) $(-11) \times (-5)$
- b) $(-3)(5)(-4)$
- c) $35 \div (-5)$
- d) $(-72) \div (-9)$
- e) $(5)(-9) \div (-3)(7)$
- f) $56 \div [(8)(7)] \div 49$

4. Evaluate.

- a) $(-3)^2 - (-2)^2$
- b) $(-5)^2 - (-7) + (-12)$
- c) $-4 + 20 \div (-4)$
- d) $-3(-4) + 8^2$
- e) $(-16) - [(-8) \div 2]$
- f) $8 \div (-4) + 4 \div (-2)^2$

5. Evaluate.

- a) $\frac{-12 - 3}{-3 - 2}$
- b) $\frac{-18 + 6}{(-3)(-4)}$
- c) $\frac{(-16 + 4) \div 2}{8 \div (-8) + 4}$
- d) $\frac{-5 + (-3)(-6)}{(-2)^2 + (-3)^2}$

Attachments

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