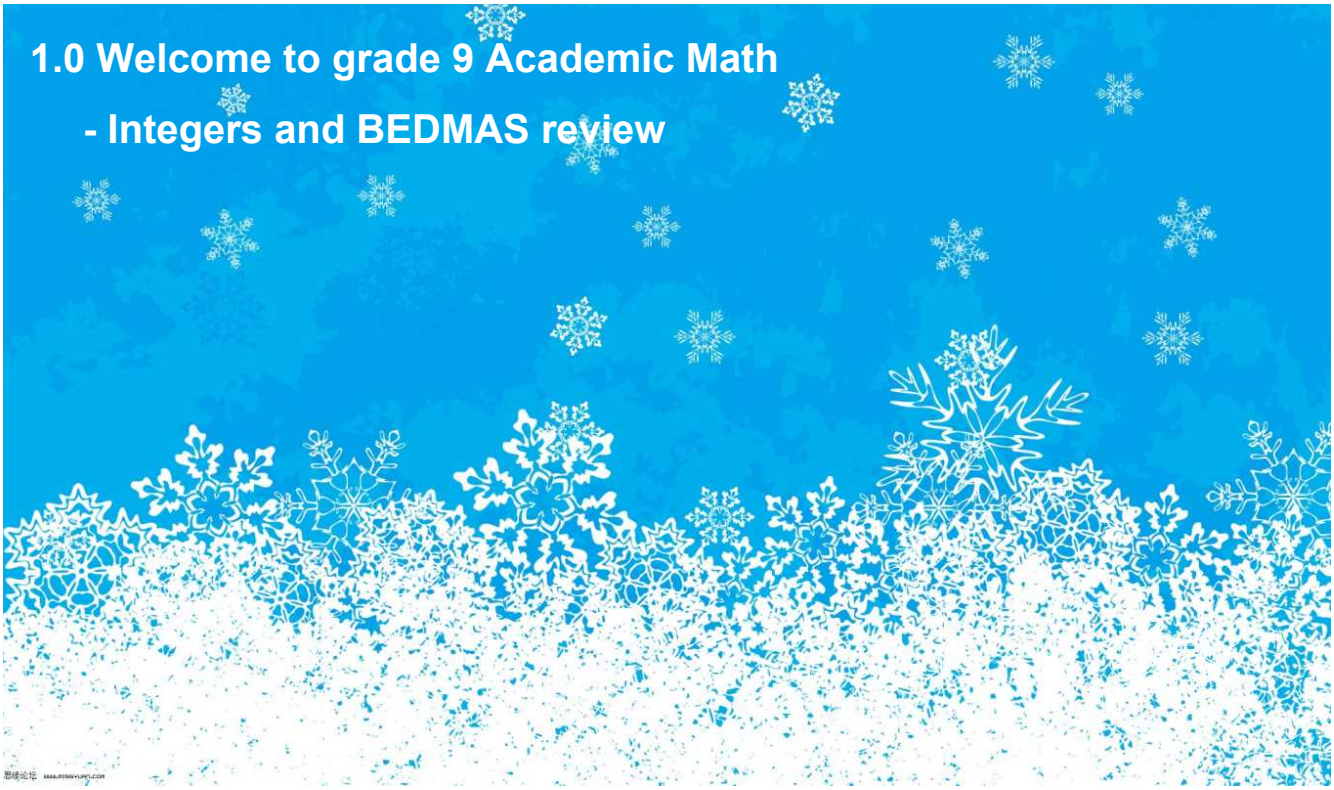

1.0 Welcome to grade 9 Academic Math
- Integers and BEDMAS review

Welcome to Ms Jacobson's MPM 1D Math Class!

In order to be successful in this class you will need to bring the following items with you each day:

- pencils (we only use pencils in math)
- coloured pencils (recommended)
- scientific calculator (you won't be able to use your phone)
- ruler and eraser
- your math binder (not shared with another course!)

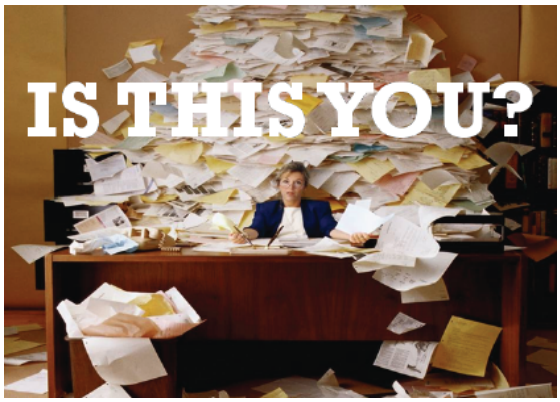
In addition to brining all the necessary materials each day you must ensure that you

- arrive on time each day
- attend every class
- ask questions when you don't understand

If you are absent, refer to the class webpage for any missed notes or handouts (catch up!) and attempt any assigned questions. Consult your unit agenda to know what you missed!

If you miss a test or quiz because of an excused absence expect to write it the day you get back

There will be a new lesson each day, therefore, it is very important that you come to each class, pay attention, complete all work and ask questions as soon as problems arise. If you would like extra help, talk to me to set it up.


IS THIS YOU?


GET ORGANIZED
Don't waste your time on your own messes every day.

GET ORGANIZED!
How to set up your pages:

1. Date on every page so that you know where everything goes.

2. Title on every page.

3. Today's title: "Unit 1: Numeracy"

What will you be covering this semester?

- Numeracy
- Powers
- Polynomials
- Equations
- The Line Part 1
- The Line Part 2
- Measurement
- Geometry

Let's begin!

Calculate the following, without a calculator:

5 - (- 6) = - 10 + (-3) = - 4 - (6)

Working with Integers (addition or subtraction):

1) Replace "side-by-side" signs with a single sign

- + + becomes +
- – – becomes +
- + – becomes –
- – + becomes –

2) Add or subtract (refer to a number line if necessary). From the first number, you go left if it's subtraction and go right if it's addition

Working with Integers (multiplication or division):

3) Multiply or divide the numbers (ignoring signs). Then choose the correct sign for the answer

- Both positive, the answer is positive
- Both negative, the answer is positive
- One negative and one positive, the answer is negative

Integers!

Adding and Subtracting

Ex. Calulate

a) 5+(-2) b) -6-9 c) -15-(-5)

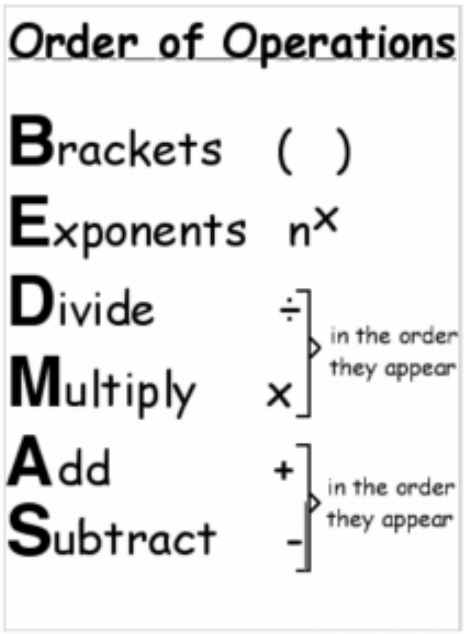
Multiplication and Division

Ex. Calculate

a) (2)(-9) b) (3)(-6) c) (-8)(-9)

Calculate:

a) $(-16) \div (-8)$ b) $\frac{-56}{7}$ c) $40 \div (-5)$ d) $\frac{27}{-9}$


Order of Operations
Brackets ( )
Exponents n^x
Divide ÷
Multiply x
in the order they appear
Add +
Subtract -
in the order they appear


KEEP
CALM
AND
USE
BEDMAS

Ex. Calculate

a) $-2+(-3)\times(-8+4)$

b) $7\left[8-(-2)(-6)\right]$

c) $\dfrac{-6+(-10)}{(-4)(2)}$

d) $\dfrac{-9+(-16)-10}{(-7)(10)\div(-2)}$


Practice: complete the first handout

Attachments

1.1b Review of concepts quiz.tst