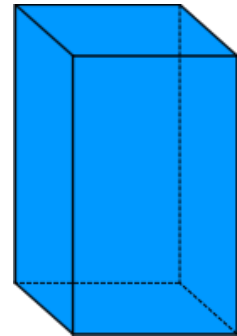
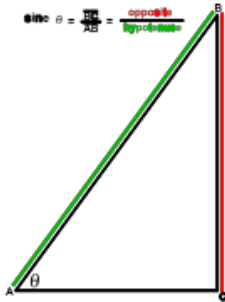


Welcome to ...
Geometry, Measurement and Finance 10



Housekeeping to get done today...

- Attendance
- Introductions
- Classroom Rules & Procedures...
- Discuss website...
- Review Course Outline

Welcome Back!!!

- Bell schedule (3 lates = 1 day unexcused)
- Fire drill
- "Code black"
- Classroom rules and procedures...
 - #1 rule: COMMON SENSE!!!
 - Be prepared: pencil, **calculator**, text & paper.
NOTE: TI-84 only provided when needed!!!
 - Be respectful: property, peers & learning
 - School rules:
 - * smartphones turned OFF and put away.
 - * MP3 players (teacher discretion).
 - * no hats or hoods.
 - * hallway pass for travel during classtime.
- Course change sheet

BELL SCHEDULE

8:25	Warning Bell
8:30 - 9:30	Period 1 / Homeroom
9:35 - 10:35	Period 2
10:40 - 11:45	Period 3/Announcements
11:45 - 12:40	Lunch
12:40 - 1:40	Period 4
1:45 - 2:15	Independent Study/Math Help
2:20 - 3:20	Period 6



REMEMBER...

✓ remove your hat and



✓ turn cell phones **OFF!!!**





Thanks for remembering
this is a



Peanut/Nut
Free School

NEW for 2015 - 2016...

INDEPENDENT STUDY:

Monday - Period 1

Tuesday - Period 2

Wednesday - Period 3

Thursday - Period 4

Friday - Period 5

NEW for 2015 - 2016...

ATTENDANCE:

4 Days - Period 1 Teacher calls home

6 Days - Student meets with Guidance

8 Days - Period 1 Teacher calls home

10 Days - Meeting with Parents/Guardians

15 Days - Student meets with Guidance

20 Days - Recommend Removal

NEW for 2015 - 2016...

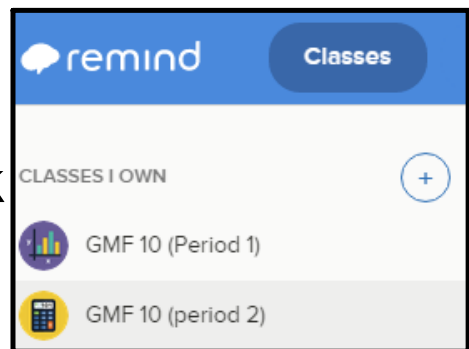
MARKS:

- * No Academic Incentives
- * All exams will be valued at 25%

NEW for 2015 - 2016...

REMIND APP:

- * Text/email daily homework
- * Sign-up

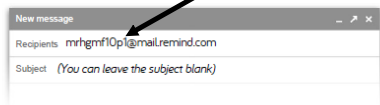


To receive messages via text, text @mrhgmf10p1 to (902) 701-9279. You can opt-out of messages at anytime by replying, 'unsubscribe @mrhgmf10p1'.



Change to '2'
for period 2

Or to receive messages via email, send an email to mrhgmf10p1@mail.remind.com. To unsubscribe, reply with 'unsubscribe' in the subject line.




Math Department Website

<http://math.mvhs.nbed.nb.ca>

- " Wall of Excellence "
 - will be released soon
 - make sure your name is correct
- Math Help (Independent Study)
 - Period 1 [Monday]
 - Period 2 [Tuesday]

Mr. Hallihan's Homepage!!!

- Extra help schedule
- Course content
 - course outline
 -  *check it out!
 - daily lessons
 - bulletin board
 - current mark
 - virtual TI-83

*Hope to be up and running soon!

Now it is time to start **WORKING...AGAIN!!!**



- **INTRODUCTION...**
- Systems of Measurement

4.1 - Systems of Measurement



Make Connections

In 1976, Canada adopted SI units to measure length. However, construction and manufacturing industries continue to use **imperial units**. Many Canadians use imperial units to measure their height.

What is your height?

Look around the classroom.

Which object has a length of about one foot?

Which object has a length of about one inch?

Which object has a length of about one yard?



The **SI system of measures** is an abbreviation for *Le Système International d'Unités*. Since 1960, this form of the metric system has been adopted by many countries, including Canada.




Some **imperial units** of measure are the inch, the foot, the yard, and the mile.

Activate Prior Learning: SI Units



Common SI units of length are the metre, centimetre, and millimetre.

What are referents for these SI units? 

Unit	Referent
millimetre	thickness of a dime
centimetre	width of little finger
metre	width of classroom door



1.2 Math Lab: Measuring Length and Distance

Systeme international d'unites (SI)

This is a measurement system commonly used in Canada. It is a decimal system based on multiples of 10. This means you can convert to other SI units simply by multiplying or dividing by a multiple of 10!

What are multiples of 10?

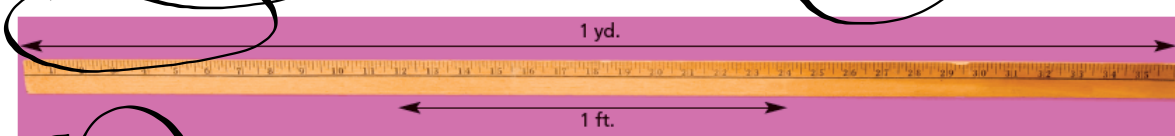
TABLE 1.5 Selected Prefixes Used in the Metric System

Prefix	Abbreviation	Meaning	Example
Giga	G	10^9	1 gigameter (Gm) = 1×10^9 m
Mega	M	10^6	1 megameter (Mm) = 1×10^6 m
Kilo	k	10^3	1 kilometer (km) = 1×10^3 m
Deci	d	10^{-1}	1 decimeter (dm) = 0.1 m
Centi	c	10^{-2}	1 centimeter (cm) = 0.01 m
Milli	m	10^{-3}	1 millimeter (mm) = 0.001 m
Micro	μ^a	10^{-6}	1 micrometer (μm) = 1×10^{-6} m
Nano	n	10^{-9}	1 nanometer (nm) = 1×10^{-9} m
Pico	p	10^{-12}	1 picometer (pm) = 1×10^{-12} m
Femto	f	10^{-15}	1 femtometer (fm) = 1×10^{-15} m

^aThis is the Greek letter mu (pronounced "mew").

The imperial unit for measuring long distances is the mile. The length of one mile was first established as the distance a Roman soldier could walk in 1000 paces. One pace is 2 steps.

Imperial Unit	Abbreviation	Referent	Relationship between Units
Inch	in.	Thumb length	
Foot	ft.	Foot length	1 ft. = 12 in.
Yard	yd.	Arm span	1 yd. = 3 ft. 1 yd. = 36 in.
Mile	mi.	Distance walked in 20 min	1 mi. = 1760 yd. 1 mi. = 5280 ft.



Base Unit: a unit of measurement on which other units are based.
 ex: length - meter (m); volume - litre (L); mass - gram (g)

1.1 Imperial Measures of Length

Volume: the amount of space a solid occupies.

Measurements using Imperial Units

What units would you use if you were to tell me your height and weight?

Imperial units are still used in many industries in Canada even though we have adopted SI units, also known as the metric system. The **imperial system** is *not* a decimal system as the measurements were all developed at different times to meet certain needs. Therefore, you must use a **conversion factor** to convert one imperial unit to another.

180 lbs 5' 11" ↑ ↑
ft in.

FIGURE 4.1
Some Common Imperial Units

Length	
<i>Unit</i>	<i>Abbreviation</i>
inch	in or "
foot	ft or ' ↑
yard	yd
mile	mi

Attachments

GMF 10 Course Outline Fall 2015 Period 1.pdf