

Measurements



Minutes: _____

Seconds: _____

Milliseconds: _____

Minutes: _____

Seconds: _____

Milliseconds: _____

Minutes: _____

Seconds: _____

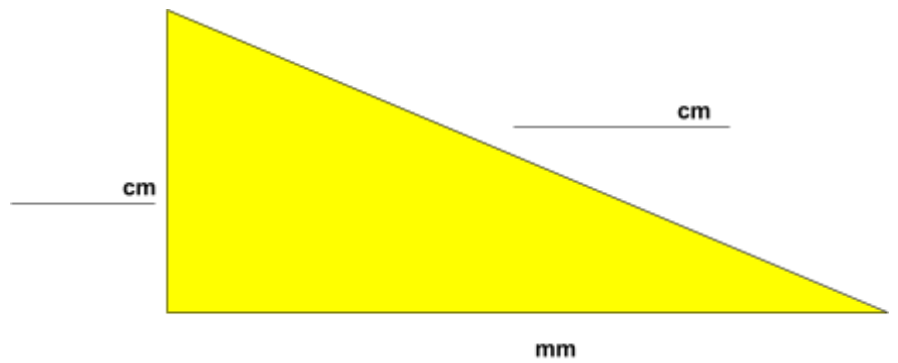
Milliseconds: _____

Just seconds: _____

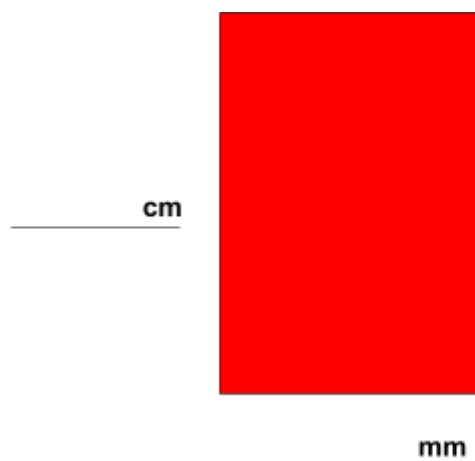
Just seconds: _____

Just seconds: _____

Use a ruler to
measure the 3
sides of this
triangle:



Use a ruler to
measure the length
and width of this
rectangle:



Drawing and labelling equipment:

Thermometer _____	Bunsen burner _____	Tripod _____
Beaker _____	Conical flask _____	Safety goggles _____

Purpose of equipment:

Thermometer	Bunsen burner	Tripod
Beaker	Conical flask	Safety goggles

Investigation 1

How long can the people in your group hold their breath for?

Hypothesis: My hypothesis is that I will hold my breath for _____
seconds and that my group member _____ will hold
their breath for _____ seconds.

Method:

1. Make sure the stopwatch is set at 0:00.00
2. Pick 1 person to hold their breath first.
3. The person with the stopwatch counts down 3...2..1.. Go!
4. The person with the stopwatch starts the stopwatch.
5. The person holding their breath pinches their nostrils closed and squeezes their lips shut.
6. When the person holding their breath breathes out, stop the stopwatch.
7. Everyone records the name and the time from the stopwatch.
8. If you have to, do some maths to find out how many seconds they held their breath for.
9. Swap roles and record the breath-holding time for everyone in the group.

Data:

Name:	Time on stopwatch:	Time in seconds:

Results: My hypothesis was that I would hold my breath for _____
seconds and I actually held it for _____ seconds, so
my hypothesis was _____. I also found out that my
group member _____ can hold their breath for _____
_____ , so _____.

Investigation 2 - Survey and Dot Plot

Where in the world is 9PKr from?

Hypothesis: My hypothesis is that most people in 9PKr are from the country _____.

Method:

1. Walk slowly around the class, asking people which country they are from.
2. Next to their name, write their answer.
3. Once you have an answer for everyone who is present, return to your desk.
4. Write each country that anyone said as their answer into a box at the bottom of the box plot.
5. For each person who said that country, put a dot above.

Data:

Name	Country	Name	Country
Marco		Uasilata	
Junior		Tereapii	
Cerenity		Miss Wells	
Shelley		Anika	
Peleti		Stanley	
Katrina		Taniela	
Ana		Jamaine	
Tom		Shah	
Trent		Manase	
Kelly		Taniela	
Genesis		Sione	
Maryanne		Janet	
Vili			
Samuel			
Robati			
Siokita			
Mahaleah			
Apete			
Evan			

Dot plot of 9PKr's countries

Results: My hypothesis was that most people in 9PKr would be from the country_____. My hypothesis was_____because most people were from_____. One interesting place someone came from was_____.

Teachers comment:

Investigation 3 - Survey and Tally Chart

Which month is the most common for birthdays in 9PKr?

Hypothesis: My hypothesis is that most people in 9PKr are born and have their birthday month in _____.

Method:

1. Walk slowly around the class, asking people which month they were born in.
2. Next to their name, write their answer.
3. Once you have an answer for everyone who is present, return to your desk.
4. For each person who said they have their birthday in January, do a tally mark in the tally chart.
5. Make sure to only do 1 tally mark per person.

Data:

Name	Birthday month	Name	Birthday month
Marco		Uasilata	
Junior		Tereapii	
Cerenity		Miss Wells	
Shelley		Anika	
Peleti		Stanley	
Katrina		Taniela	
Ana		Jamaine	
Tom		Shah	
Trent		Manase	
Kelly		Taniela	
Genesis		Sione	
Maryanne		Janet	
Vili			
Samuel			
Robati			
Siokita			
Mahaleah			
Apete			
Evan			

Tally chart of 9PKr's birthday months:

Birthday months:	Tally Chart: 
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Results: My hypothesis was that most people in 9PKr would be born in _____. My hypothesis was _____ because most people have birthdays in _____. My birthday is in _____ which is the _____ most common month.

Investigation 4 - Qualitative Study

Do commentators talk about male and female 7s players differently?

Hypothesis: My hypothesis is that male players are more likely to be described as _____ than women players.

Method:

1. Discuss what adjectives and describing words are, so everyone knows what they are listening out for.
2. As a class we will watch one half of a men's 7s game.
3. During the game, whenever a commentator uses a word **or adjective** to describe a player, write it down.
4. Whenever a commentator uses a word to describe the game, write it down.
5. We will repeat this with a women's game.
6. Analyse the results for similarities and differences.

Adjectives! Or describing words:

--

Data:

Men's game:	Women's game:

Analysing the data:

Things that seemed similar about the words for men and women:	Things that seemed different about the words for men and women.

Results: *My hypothesis was that male players were more likely to be described as _____ than women players. In this study I found that _____*

_____.

Teachers comment:

Investigation 5 - Quantitative Study

Are the lengths of my group members arms the same as their heights?

Hypothesis: My hypothesis is that the length of my arms will be
to my height.

Method:

1. One person in your group needs to spread their arms out as wide as they can.
2. Other team members use a meter ruler to measure from fingertip to fingertip.
3. Record their name and arm length in cm (it will be 100-something cm)
4. Have the same person stand up tall, and other team members use a meter ruler to measure their height from floor to the top of their head.
5. Record their height in cm.
6. Repeat for other group members.

Data:

Name:	Length of arms (cm):	Height (cm):

Results: My hypothesis was that the length of my arms will be
to my height. I found out that
_____.

Teachers comment:

Literacy in Science

The title of this reading is: _____

Hypothesis: *I think that this reading will tell me about* _____

_____.

Words that were unfamiliar from the reading:

--

Summary: *This reading was about* _____

and one new thing I learnt was _____

_____.

Literacy in Science

The title of this reading is: _____

Hypothesis: *I think that this reading will tell me about* _____

_____.

Words that were unfamiliar from the reading:

--

Summary: *This reading was about* _____

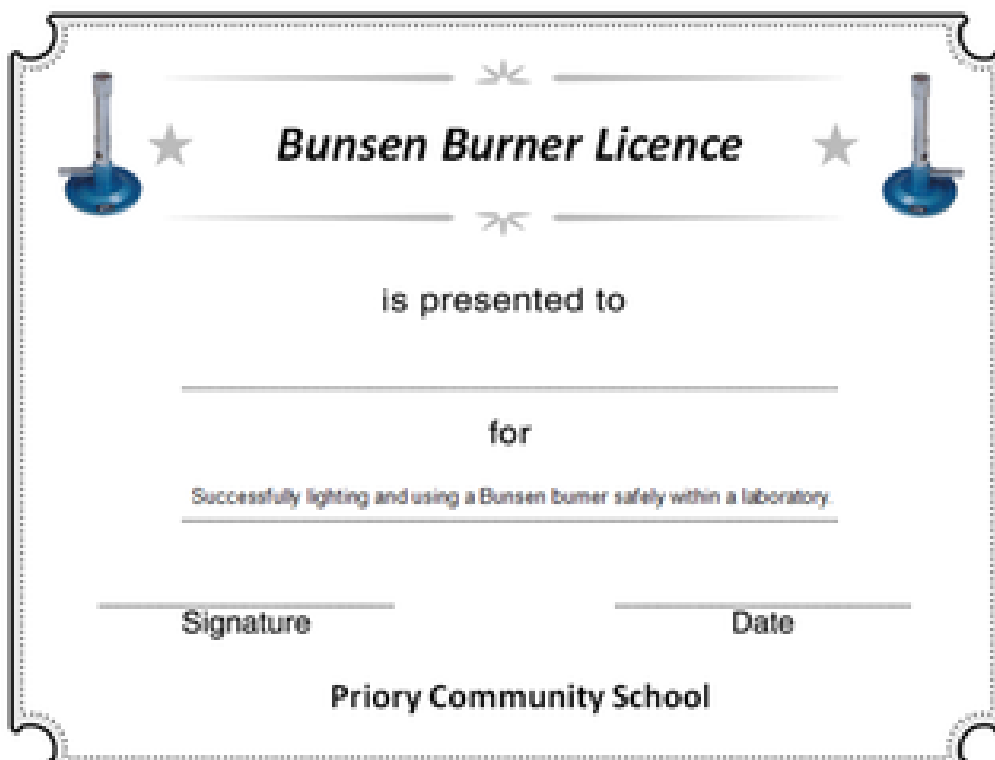
_____ *and one new thing I learnt was* _____

_____.

How to light a bunsen burner:



Method:



1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.
9.	9.
10.	10.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.