**Mathematics Grade 8 Note 1**

**10 Commandments for Success in Mathematics**

1. *Lay a strong foundation*

Know your multiplication tables, bonds and formulas

1. *Learn the language*

Terminology and definitions

Symbols

Divide **by**, subtract **from,** order and conventions

1. *Ask questions*

And try to answer questions!

1. *Master the principles before memorising rules*
2. *Learn the shortcuts*
3. *Practise, practise, practise*
4. *Use your calculator for checking not cheating*
5. *Does your answer make sense?*
6. *Work neatly*

And come to class with all the right tools!

1. *Persevere*

Don’t say, “I don’t know”; say, “I’m going to guess that…”

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *1* | *2* | *3* | *4* | *5* | *6* | *7* | *8* | *9* | *10* | *11* | *12* | *13* | *14* | *15* |
| *2* | *4* | *6* | *8* | *10* | *12* | *14* | *16* | *18* | *20* | *22* | *24* | *26* | *28* | *30* |
| *3* | *6* | *9* | *12* | *15* | *18* | *21* | *24* | *27* | *30* | *33* | *36* | *39* | *42* | *45* |
| *4* | *8* | *12* | *16* | *20* | *24* | *28* | *32* | *36* | *40* | *44* | *48* | *52* | *56* | *60* |
| *5* | *10* | *15* | *20* | *25* | *30* | *35* | *40* | *45* | *50* | *55* | *60* | *65* | *70* | *75* |
| *6* | *12* | *18* | *24* | *30* | *36* | *42* | *48* | *54* | *60* | *66* | *72* | *78* | *84* | *90* |
| *7* | *14* | *21* | *28* | *35* | *42* | *49* | *56* | *63* | *70* | *77* | *84* | *91* | *98* | *105* |
| *8* | *16* | *24* | *32* | *40* | *48* | *56* | *64* | *72* | *80* | *88* | *96* | *104* | *112* | *120* |
| *9* | *18* | *27* | *36* | *45* | *54* | *63* | *72* | *81* | *90* | *99* | *108* | *117* | *126* | *135* |
| *10* | *20* | *30* | *40* | *50* | *60* | *70* | *80* | *90* | *100* | *110* | *120* | *130* | *140* | *150* |
| *11* | *22* | *33* | *44* | *55* | *66* | *77* | *88* | *99* | *110* | *121* | *132* | *143* | *154* | *165* |
| *12* | *24* | *36* | *48* | *60* | *72* | *84* | *96* | *108* | *120* | *132* | *144* | *156* | *168* | *180* |
| *13* | *26* | *39* | *52* | *65* | *78* | *91* | *104* | *117* | *130* | *143* | *156* | *169* | *182* | *195* |
| *14* | *28* | *42* | *56* | *70* | *84* | *98* | *112* | *126* | *140* | *154* | *168* | *182* | *196* | *210* |
| *15* | *30* | *45* | *60* | *75* | *90* | *105* | *120* | *135* | *150* | *165* | *180* | *195* | *210* | *225* |

*Prime; x3; x2*