KHAN ACADEMY EXERCISES TO SUPPORT THE GRADE 9 PREPARATION RESOURCES

You can log into *Khan Academy* (https://www.khanacademy.org/) using a *Gmail* or *Facebook* account, or you can create a *Khan Academy* account.

Click on the exercise title to be linked directly to the webpage. If you get stuck, you can *ask for a hint* or watch a video related to the exercise.

A – Operating with integers

Adding negative numbers

Subtracting negative numbers

Adding & subtracting negative numbers

Multiplying and dividing negative numbers

B – Order of operations

Order of operations

Order of operations with negative numbers

Order of operations challenge

C – Operating with fractions

Add fractions with unlike denominators

Subtracting fractions with unlike denominators

Adding and subtracting negative fractions

Multiplying fractions

Dividing fractions

Multiplying positive and negative fractions

Dividing positive and negative fractions

D – <u>Variables and equations</u>

[One-step addition and subtraction equations](#)

[One-step multiplication and division equations](#)

[Two-step equations](#)

[Find the mistake: two-step equations](#)

E – <u>Ratios, rates and percentages</u>

[Converting decimals to percents](#)

[Finding percents](#)

[Ratio word problems](#)

[Discount, tax, and tip word problems](#)

[Comparing rates](#)

[Solving proportions](#)

F – <u>Angles</u>

[Complementary and supplementary angles](#)

[Find angles in triangles](#)

[Finding angle measures using triangles](#)

[Find angles in isosceles triangles](#)

[Angle relationships with parallel lines](#)

G – <u>Cartesian plane</u>

[Points on the coordinate plane](#)

[Graph points](#)

[Identify points](#)

H – <u>Linear relationships</u>

[Linear equations word problems: graphs](#)

[Graphing proportional relationships](#)