

### Entrance exam objectives for year 10

No.	objectives:
1	Number: Fractions, decimals and percentages, Ratio and proportion, Calculations and mental strategies – factors, Sequences
2	Algebra: Equations and inequalities,
3	Geometry: Pythagoras theorem, Trigonometry
4	Data Handling, probability

#### Topics and units covered/ Studying material/Practical skills & any other information

##### **Number:**

##### Fractions, decimals and percentages:

Writing a fraction in its simplest form

Addition and subtraction of fractions

Multiplication of fractions

Division of fractions

Finance – discounts, profit and loss, simple interest and tax

##### Ratio and proportion:

Ratio

Direct proportion

##### Sequences

Sequences – nth term

##### Calculations :

Writing a fraction in its simplest form

Finding a fraction of a quantity

Addition and subtraction of fractions

Dividing by a fraction

Percentages

Finding a percentage of a quantity

**Algebra:** Constructing expressions, factorize, change the subject of a formula, Equations,

Expanding brackets, simple factorizing, further expansion, factorizing by grouping, indices.

Equations, Constructing and solving equations

Simultaneous equations

Practical examples of using simultaneous equations

Expanding two linear expressions

**Geometry:** Circumference and area of a circle, the area of parallelograms and trapeziums

Geometry: angles and transformations

##### Pythagoras theorem:

Use Pythagoras theorem to calculate the unknown side

##### Trigonometry – ( SOHCAHTOA)

Sine ratio

Cosine ratio

Tangent ratio

### Year group: 10 First Language English

No.	objectives:
1	<b>Direct writing:</b> <ul style="list-style-type: none"><li>• Demonstrate understanding of explicit and implicit meanings.</li><li>• Write a summary of a non-fiction text.</li></ul>
2	<b>Compositions: A diary entry</b> <ul style="list-style-type: none"><li>• Articulate experience and express what is thought, felt and imagined.</li><li>• Use a range of appropriate vocabulary.</li><li>• Make accurate and effective use of paragraph, grammatical structures, sentences, punctuation and spelling.</li></ul>

### Year group: 10 Second Language English

No.	objectives:
1	<b>Reading comprehension</b> <ul style="list-style-type: none"><li>• Understand and respond to information presented in a variety of forms recognize, understand and distinguish between facts, ideas and opinions</li></ul>
2	<b>Writing</b> <ul style="list-style-type: none"><li>• Communicate clearly, accurately and appropriately.</li><li>• Convey information and express opinions effectively.</li><li>• Employ and control a variety of grammatical structures.</li><li>• Demonstrate knowledge and understanding of a range of appropriate vocabulary.</li><li>• Observe conventions of paragraphing, punctuation and spelling.</li><li>• Employ appropriate register/ style.</li></ul>

### Arabic Objectives for year 7-10

#### :الصف العاشر

ماتمت دراسته بمادة اللغة العربية في الصف التاسع حسب كتاب اللغة العربية الخاص بوزارة التربية والتعليم في قطر