

is the number of sides

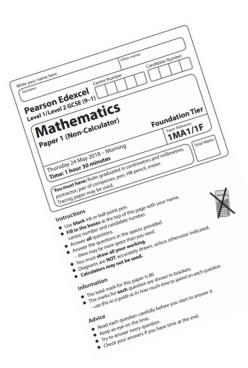
$$rac{PEGULAR\ polygon} = \frac{360}{n}$$

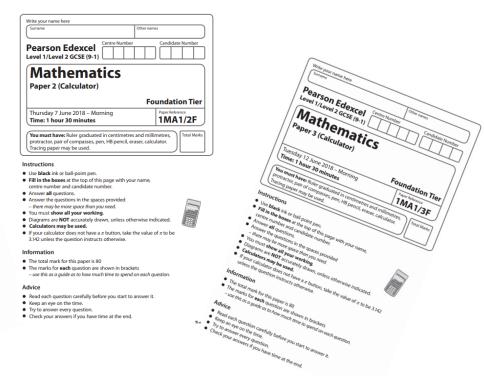
Constructing Pie Charts
$$Angle = \frac{frequency}{total} \times 36^{\circ}$$

Key formulae can be found in student planners

GCSE Mathematics at The Friary

About the Maths exam







Exam Board

Edexcel



<u>Tiers</u>

Higher (Grade 4-9) Foundation (Grade 1-5)



3 Papers
1 Non-calculator
2 Calculator
Each 1.5hrs long



Calculator

┡

All other standard equipment for lessons (pen, pencil, ruler)

Students DO NOT need a pair of compasses, or a protractor as we lend those out when we need them

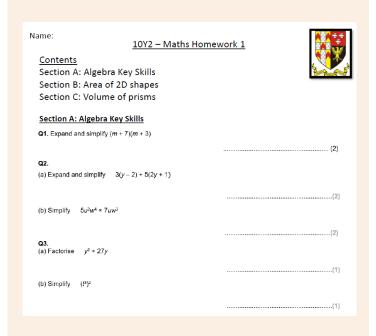
Assessment

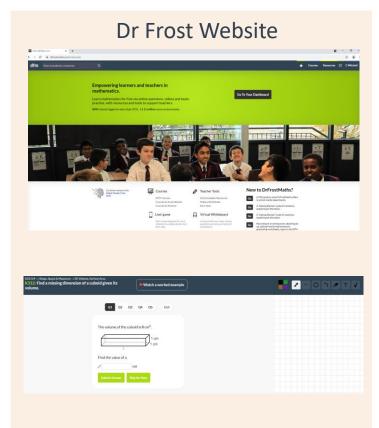
Y10 Assessment 5	Y10 Assessment 1		
Foundation 2 Learning	Higher Tier − Set 2		
adation .	ıtumn: Term 1a		
Foundation Learning Check Foundation Learning Check Foundation Learning Check Narks: 32 Name: Time: 40 minutes 132 Name: Teacher: Teacher: Teacher: Teacher: To minute state and minutes are a second at sec			
Name:			
Teacher:	W		
- 01. Write these straile 120	Asses	sed Grade:	
- 01. Write the smaller 120 [a) Hart with the smaller 120 [a) Hart with 102	Asses	ssed Grade:	T
O1 FLUENCY: Inequalities- listing integers	Asses		T
O1 FLUENCY: Inequalities- listing integers 52			T
O1 FLUENCY: Inequalities- listing integers 52	Jumn vectors		T
O1 FLUENCY: Inequalities- listing integers 52	Jumn vectors Jumn vectors Jumn vectors		T
O1 FLUENCY: Inequalities- listing integers 52	Jumn vectors Julating with speed, distance, time July Finding the density of liquids		T
O1 FLUENCY: Inequalities- listing integers 52	Jumn vectors Julating with speed, distance, time JULY: Finding the density of liquids AOI FLUENCY: Constructing cumulative frequency curves		T
OT FLUENCY: Inequalities- listing integers OT FLUENCY: Inequalities- solving linear inequalities OT FLUENCY: Inequalities- representing on a number line OT FLUENCY: Sequences- generating and continuing OT FLUENCY: Sequences- finding the nth term OT FLUENCY: Sequences- justifying why a number is in a sequence	Jumn vectors Julating with speed, distance, time JULY: Finding the density of liquids JOI FLUENCY: Constructing cumulative frequency curves AOI FLUENCY: Graphing Inequalities and identifying regions		T
DI FLUENCY: Inequalities- listing integers DI FLUENCY: Inequalities- solving linear inequalities DI FLUENCY: Inequalities- representing on a number line DI FLUENCY: Sequences- generating and continuing DI FLUENCY: Sequences- finding the nth term DI FLUENCY: Sequences- justifying why a number is in a sequence DI FLUENCY: Angles in Parallel Lines- finding an angle	umn vectorsulating with speed, distance, timevCY: Finding the density of liquidsvCY: Finding the density of liquidsv		T
NOT FLUENCY: Inequalities- listing integers 52	umn vectorsulating with speed, distance, timeCY: Finding the density of liquidsO1 FLUENCY: Constructing cumulative frequency curves AO1 FLUENCY: Graphing inequalities and identifying regions AO1 FLUENCY: Comparing cumulative frequency curves and box plots AO2 FLUENCY: Vector geometry in terms of a and b		T

- 1 end of half term assessment
- 2 learning checks throughout each half term
- Focus is current topic with some previous content addressed
- Booster session before end of half term assessment
- Revision homework set and checked for completion
- Revision in class
- Focus on exam technique

Home Learning

Homework - weekly





Homework Information

- Expect it weekly
- Expect previous and current topics to appear

Dr Frost Information

- Login is school email address, password is "friary"
- Earn points links to house points and student of the week
- In class studying, revision, new learning

Topic Overview for this half term

Set 3B/4

- Powers
- Decimals and rounding
- Factors, multiples and primes
- Expressions, substitution and formulae
- Expanding and factorising

Set 3A

- Expanding brackets with single and double brackets
- Factorising to single and double brackets
- Solving Quadratic Equations
- Standard form writing and calculating with very large and very small numbers.

Set 1

- Volumes of complex 3D shapes –
 spheres, cones, frustums
- Vectors column, geometric and proof
- Congruent shapes, conditions and proof

Set 2

- Volumes of 3D shapes prisms, pyramids, spheres, cones
- Vectors column and geometric
- Cumulative Frequency Curves
- Box Plots
- Comparing data sets graphically

KEY DATES THIS TERM

REVISION SESSIONS COMING UP

Wednesday 12th October

HALF TERM

Wednesday 14th December

ASSESSMENT DATES

w/c 19th September w/c 3rd October w/c 17th October

HALF TERM

w/c 14th November w/c 28th November w/c 12th December

What can students do to improve their Maths?

Websites

https://www.drfrostmaths.com/

https://www.mathsgenie.co.uk/

https://corbettmaths.com/

Revision Workbooks

Resources on these websites include

- Video tutorials
- Exam questions
- Textbook questions
- Full solutions
- Revision pages
- Games

PRACTISE MAKES PERMENANT

