

Year 10 Foundation Maths Examinations Summer 2024

Revision List

Paper 1	Sparx Code
Calculators NOT allowed	
Topic name	
Ordering decimals	U435
Multiples	U751
Rounding	U480
Converting fractions to decimals	U888
Place value	U600
Probability scale	U408
Pictograms	U506
Plotting coordinates	U789
Calculating with speed, distance and time	U151
Expressing ratios as fractions & ratio in the form 1:n	U687
Fractions of amounts	U881
Reflections	U799
Functions machines	U976
Two-way tables	U981
Recipes	U721
Sharing an amount in a given ratio	U577
Solving and representing inequalities	U759
Probability tree diagrams	U558
Vectors	U564
Bearings	U107
Volume in terms of pi	U915

Paper 2	Sparx Code
Calculators allowed	
Topic Name	
Converting decimals to fractions	U888
Rounding	U298
Simplifying expressions	U105
Time calculations	U902
Interpreting bar charts	U363
Angle facts	U390
Solving equations	U325
Listing solutions to inequalities	U509
Volume of a cuboid	U786
Multiplication/division	U127, U293
Substitute into a formula	U585
Fractions of amounts	U881
LCM from the product of prime factors	U250
Drawing cubic graphs	U980
Trigonometry	U283, U545
Vectors	U632
Pythagoras in 2D	U385
Area of a sector of a circle	U373
Reverse percentages	U286
Compound interest	U332

PLEASE TURN OVER FOR SOME KEY KNOWLEDGE TO MEMORISE

Useful facts to memorise

Area of a circle	$A = \pi r^2$
Volume of a cuboid	Length x width x height
Volume of a cylinder	$V = \pi r^2 h$
Pythagoras' theorem for missing lengths in right angled triangles	$a^2 + b^2 = c^2$
Speed = distance / time	
Right angled trigonometry	SOH CAH TOA
$\sin(x) = \text{opp}/\text{adj}$	
$\cos(x) = \text{adj}/\text{hyp}$	
$\tan(x) = \text{opp}/\text{adj}$	
Compound interest formula	$p(1 + r/100)^n$
Where p is the principal value, r is the percentage rate and n is the number of years.	
Bearings are measured	From North, clockwise with 3 digits