

Y10 - HT3 - Ratio and Proportion

Rounding

Learning Objective	N	F	H
Round integers to the nearest power of ten.			
Rounding numbers to a given number of decimal places.			
Round a number to 1 significant figure.			
Estimating answers to calculations.			
Understand and use error interval notation.			
Upper and lower bounds			
Bounds; leaving answers to a suitable degree of accuracy.			

Spark Code	Covered?	RAG	Revisit?
U480			
U298			
U731/U965			
U225			
U657			
U587			
U587			

Ratio

Learning Objective	N	F	H
Understand and use ratio notation.			
Express ratios in their simplest form.			
Express ratios in the form 1:n.			
Divide in a given ratio given a whole.			
Sharing in a ratio given a part.			
Combining ratios.			
Ratio problems.			

Spark Code	Covered?	RAG	Revisit?
U687			
U687			
U687			
U557/U595			
U557/U595			
U921			
U428/U440			

Proportion

Learning Objective	N	F	H
Multiplicative change			
Solving problems with direct proportion.			
Solving problems with inverse proportion.			
Solving currency conversion problems.			
Solving scale diagram problems			
Solving recipe problems.			
Solving standard best buy problems.			
Solving best buy problems containing fractions, percentages.			
Solving capture/recapture problems.			
Using direct proportion formulae.			
Using inverse proportion formulae.			

Spark Code	Covered?	RAG	Revisit?
M478			
U721			
U357			
U610			
U859/U311			
U859/U311			
U859/U311			
U859/U311			
U328			
U407			
U138			

FDP

Learning Objective	N	F	H
FDP conversions.			
Converting from a fraction to a recurring decimal.			
Converting from a recurring decimal to a fraction.			

Spark Code	Covered?	RAG	Revisit?
U888			
U550			
U689			

Percentages

Learning Objective	N	F	H
Writing a number as a percentage of another.			
Finding a percentage of an amount.			
Increasing an amount by a percentage.			
Decreasing an amount by a percentage.			
Calculating percentage change.			
Calculating percentage profit.			
Using multipliers to find a percentage of an amount			
Using multipliers to increase/decrease an amount by a percentage.			
Solving reverse percentage problems.			
Repeated percentage change.			
Simple interest.			
Compound interest (standard questions).			
Compound interest (non-standard questions).			

Spark Code	Covered?	RAG	Revisit?
U925			
U554			
U773			
U773			
U278			
U278			
U349			
U671			
U286			
U988			
U533			
U332			
U481			