YEAR 8

HALF TERM 4

Lesson 1	Lesson 2	Lesson 3	Lesson 4
Learning intentions	Learning intentions	Learning intentions	Learning intentions
(what can a student do at the	(what can a student do at the end	(what can a student do at	(what can a student do at the end of
end of the lesson)	of the lesson)	the end of the lesson)	the lesson)
Week 1 Convert fluently between key fractions decimals and percentages	Calculate key fractions, decimals	Calculate fractions,	Convert between decimals and percentages greater than 100%
	without a calculator	of an amount using	percentages greater than 100%
		calculator methods	
Percentage decrease with a	Calculate percentage increase	Express one number as a	Express one number as a fraction or
Week 3 Work with percentage	and decrease using a multiplier	fraction or a percentage of	a percentage of another using
			calculator methods
· •		_	Find the original amount given the
change	solve percentage problems	given the percentage less than 100% (H)	percentage greater than 100% (H)
Investigate positive powers	Investigate negative powers of 10	Compare and order	Mentally calculate with numbers in
of 10	Work with numbers between 0	numbers in standard form	standard form
Work with numbers greater than 1 in standard form	and 1 in standard form		
Add and subtract numbers in	Use a calculator to work with	Understand and use	Understand and use fractional
standard form	numbers in standard form	negative indices (H)	indices (H)
Multiply and divide numbers in standard form			
Round numbers to powers of	Understand and use error interval	Calculate with money	Convert metric units of area (H)
10 and 1 significant figure	notation (H)	Convert metric measures of	Convert metric units of volume (H)
Round numbers to a given	Calculate using the order of	lengths	
number of decimal places	operations	Convert metric units of	
		weight and capacity	
	Learning intentions (what can a student do at the end of the lesson) Convert fluently between key fractions decimals and percentages Percentage decrease with a multiplier Work with percentage change Investigate positive powers of 10 Work with numbers greater than 1 in standard form Add and subtract numbers in standard form Multiply and divide numbers in standard form Round numbers to powers of 10 and 1 significant figure Round numbers to a given	Learning intentions (what can a student do at the end of the lesson) Convert fluently between key fractions decimals and percentages Percentage decrease with a multiplier Calculate percentage increase and decrease using a multiplier Work with percentage change Investigate positive powers of 10 Work with numbers greater than 1 in standard form Add and subtract numbers in standard form Multiply and divide numbers in standard form Round numbers to powers of 10 and 1 significant figure Round numbers to a given Learning intentions (what can a student do at the end of the lesson) Calculate key fractions, decimals and percentages of an amount without a calculator Calculate percentage increase and decrease using a multiplier Choose appropriate methods to solve percentage problems Investigate negative powers of 10 Work with numbers between 0 and 1 in standard form Use a calculator to work with numbers in standard form Understand and use error interval notation (H) Calculate using the order of	Learning intentions Learning intentions Learning intentions Learning intentions Learning intentions (what can a student do at the end of the lesson) Learning intentions (what can a student do at the end of the lesson) Convert fluently between key fractions decimals and percentages of the lesson percentages Calculate key fractions, decimals and percentages of an amount without a calculator Calculate fractions, decimals and percentages of an amount using calculator methods Percentage decrease with a multiplier Calculate percentage increase and decrease using a multiplier Express one number as a fraction or a percentage of another without a calculator Work with percentage Choose appropriate methods to solve percentage problems Find the original amount given the percentage less than 100% (H) Investigate positive powers of 10 Work with numbers between 0 and 1 in standard form Compare and order numbers in standard form Add and subtract numbers in standard form Use a calculator to work with numbers in standard form Understand and use negative indices (H) Round numbers to powers of 10 and 1 significant figure Round numbers to a given number of decimal places Understand and use error interval notation (H) Calculate with money Convert metric measures of lengths Round numbers to a given number of decimal places Calculate using the order of operations Convert metric units of