Stage 7 – Number: Calculating

Know it!



Knowledge		
I know	How to multiply an integer by a decimal up to 2 d.p.	
I know	How to divide a number up to 4 digits by a one or two digit number using a formal method.	
I know	How to divide a decimal by an integer	
I know	How to divide by a decimals by transforming a calculation into an equivalent division.	
I know	Apply the correct order of operations to muti-step calculations involving up to four operations and brackets.	

Link it!



Backward	Forward
Multiplication facts up to 12 x 12	Complex worded problems.
Formal methods of: Multiplication, division, addition	Estimating.
and subtraction.	Order of Operations with powers.
Multiplying and dividing by powers of 10.	Substitution.



Jenny says that $2 + 3 \times 5 = 25$. Kenny says that $2 + 3 \times 5 = 17$. Who is correct? How do you know?

Find missing digits in otherwise completed long multiplication / short division calculations.



Vocabulary	Definition
Formal methods	A written method of calculation e.g. long multiplication or short division.
Operation/Operator	A mathematical process e.g. add, subtract, multiply, divide.
Inverse operation	The reverse effect of an operation. E.g dividing is the inverse of multiplying.
Remainder	The amount left over from a division.
Integer	A whole number.
Order of Operations	The correct order of calculating with more than one operation; BIDMAS: Brackets, Indices, Division & multiplication, then Addition & Subtraction.
Equivalent	Having exactly the same value.

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