



### ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE/SUBJECT: LS2 Multiply and Divide by 10, 100, 100

YEAR GROUP: 6

TERM: Autumn 1

#### Vocabulary

Multiply  
Divide  
Order  
Compare  
Value  
Digit  
Decimal  
Place value

#### Skills

- Develop fluency of multiplying and dividing by 10, 100 and 1000
- Application in the context of measure

#### What we already know

- The more digits a whole number has – the greater its value
- Numbers can be ordered according to their value  
Decimal numbers have whole and part numbers
- When there are 10 equal parts to a whole – this is called a tenth (1 out of 10)
- When there are 100 equal parts to a whole – these are called hundredths (1 out of 100) etc.

#### Illustration

##### Multiplying and Dividing by 10, 100 and 1000

10 000	1000	100	10	1	•	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					•			

##### Multiplying

X 10  
X 100  
X 1000



digits move LEFT 1 space  
digits move LEFT 2 spaces  
digits move LEFT 3 spaces

##### Dividing

+ 10  
+ 100  
+ 1000



digits move RIGHT 1 space  
digits move RIGHT 2 spaces  
digits move RIGHT 3 spaces



0.307  $\times 10$   $\rightarrow$  ?

40  $\div ?$   $\rightarrow$  0.4

Ben

1.45m

Sophie

37cm

<input type="text"/> m	0.034km
<input type="text"/> p	£34
3004ml	<input type="text"/> l

I am thinking of a number.

I divide it by 1000.

The answer is 3.05.

What number did I start with?

R	Read and label - identify need to know facts
U	Underline key numbers and vocabulary
C	Choose the calculation(s) and estimate
S	Solve-do the calculations
A	Answer - what does it mean?
C	Check and consider