## Multiplying and dividing

 by 10, 100 and 1000 WorksheetMr Ward

## Warm up - Reasoning with large numbers

Can you approximate the position of the following numbers on the number line?


## Talk Task

Discuss, draw and demonstrate how to multiply and divide by 100 and 1000.
Demonstrate completing these calculations:

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|  |  |  |  |  |  |

a) $32 \times 100$
b) $320 \times 100$
c) $\mathbf{4 1 0 0} \div \mathbf{1 0 0}$
d) $41000 \div 100$
e) $32 \times 1000$
f) $320 \times 1000$
g) $\mathbf{4 0 0 0} \div \mathbf{1 0 0 0}$
h) $41000 \div 1000$

Talk Task

| Hundred thousands | Ten thousands | Thousands | Hundreds | Tens | Ones |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |



Record and explain the facts derived from a the known fact. Now it is your turn! Choose a simple known fact and start to record all of the multiplication and division facts derived
 from it!


## 

Can you approximate the value of the arrows on the number line? Can you explain how you know?


