

Doubling & Halving

Name:

- Double is the same as $\times 2$
- To do $\times 4$ you double, then double again
- To do $\times 8$ you double, then double again, then double once more

1. Fill in the table:

Number	$\times 2$	$\times 4$	$\times 8$
3	— double ► 6	— double ► 12	— double ► 24
5	10		
6		24	
10			
12			
15			
26			

2. Find the answers

$3 \times 4 =$	$7 \times 4 =$	$6 \times 8 =$	$12 \times 4 =$	$15 \times 4 =$
$13 \times 2 =$	$9 \times 4 =$	$13 \times 4 =$	$18 \times 2 =$	$23 \times 8 =$
$8 \times 3 =$	$4 \times 14 =$	$8 \times 11 =$	$4 \times 8 =$	$8 \times 17 =$
$4 \times 31 =$	$4 \times 36 =$	$40 \times 3 =$	$80 \times 11 =$	$800 \times 17 =$

3. How can you multiply by 16?



- Halving is the same as $\div 2$
- You can divide by 4, 8, ... by repeated halving.

4. Fill in the table:

Number	$\div 2$	$\div 4$	$\div 8$
24	— half ► 12	— half ► 6	— half ► 3
40	20		
120			
72			
36			
100			
13			