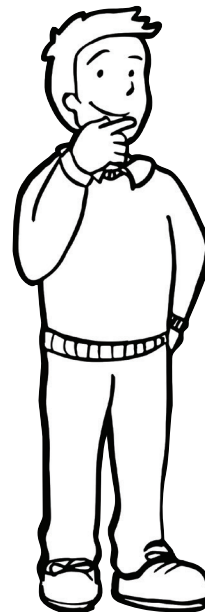


Multiply and divide numbers mentally, drawing upon known facts

1 Find the missing numbers as quickly as you can.

×	3			
3				
			24	
7		35		
	27		54	108
12				



2 Use your knowledge of **doubling** and **halving** to solve the following.

- | | | |
|--------------------------------------|------------------------------------|------------------------------------|
| a Double 4 is <input type="text"/> | Double 12 is <input type="text"/> | Half of 18 is <input type="text"/> |
| b Double 18 is <input type="text"/> | Half of 38 is <input type="text"/> | Double 26 is <input type="text"/> |
| c Half of 42 is <input type="text"/> | Double 49 is <input type="text"/> | Half of 56 is <input type="text"/> |
| d Double 53 is <input type="text"/> | Double 68 is <input type="text"/> | Half of 72 is <input type="text"/> |
| e Half of 96 is <input type="text"/> | Double 84 is <input type="text"/> | Double 96 is <input type="text"/> |

3 Try solving these calculations by **doubling** the odd number and **halving** the even number.

- a $5 \times 16 = \square \times 8 = \square$
- b $45 \times 12 = 90 \times \square = \square$
- c $160 \times 17 = \square \times 34 = \square$

