1) a) 4
   b) 68
   c) 31
   d) 5995
   e) 16.6
   f) $1\frac{3}{4}$

2) a) 16
   b) 56
   c) 7
   d) 20
   e) 35
   f) 2.2

1) Ola could be correct. $21 \times 0 = 0$ and $0 + 12 = 12$

   Layla could be correct. $21 + 3 = 24$ and $24 \div 2 = 12$

   Thomas could be correct. $21 - 15 = 6$ and $6 \times 2 = 12$

2) Leo: This is incorrect, as each machine will give a different answer if we do what Leo suggests. Adding 7 to a number, then multiplying by 4, will give a different answer to multiplying a number by 4, then adding 7 to it.

   Ruby: This is correct, as the pair of function machines will now have the function of +1.

1) Function $\div 4$
   a) 24
   b) 320
   c) 4.8
   d) 39

2) a) Answers may vary. Example answers shown for each number given.

$20 \div 2 - 6 = 4$	$44 \div 2 - 6 = 16$	$60 \div 2 - 6 = 24$
$32 \div 2 - 12 = 4$	$88 \div 4 - 6 = 16$	$72 \div 2 - 12 = 24$
$44 \div 2 - 18 = 4$	$132 \div 6 - 6 = 16$	$84 \div 2 - 18 = 24$
$40 \div 4 - 6 = 4$	$176 \div 8 - 6 = 16$	$96 \div 2 - 24 = 24$

   b) Odd numbers cannot be made due to the 'divide by 2' rule given by the function machine. If we input an odd number, we will make a decimal number, which cannot be classed as either odd or even.