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

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1) Ola could be correct. 21 × 0 = 0 and 0 + 12 = 12

    Layla could be correct. 21 + 3 = 24 and 24 ÷ 2 = 12

    Thomas could be correct. 21 − 15 = 6 and 6 × 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.

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1) Function ÷4
    a) 24
    b) 320
    c) 4.8
    d) 39

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

20 ÷ 2 − 6 = 4	44 ÷ 2 − 6 = 16	60 ÷ 2 − 6 = 24
32 ÷ 2 − 12 = 4	88 ÷ 4 − 6 = 16	72 ÷ 2 − 12 = 24
44 ÷ 2 − 18 = 4	132 ÷ 6 − 16 = 16	84 ÷ 2 − 18 = 24
40 ÷ 4 − 6 = 4	176 ÷ 8 − 16 = 16	96 ÷ 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.