Function Codes

Using the function 'divide by 2', the message below is decoded as 'hello'.

16 10 24 24 30

16	→	divide by 2	→	8	⇒ h
10	→	divide by 2	→	5	⇒ e
24	→	divide by 2	→	12	⇒ l
24	→	divide by 2	→	12	⇒ l
30	→	divide by 2	→	15	⇒ o
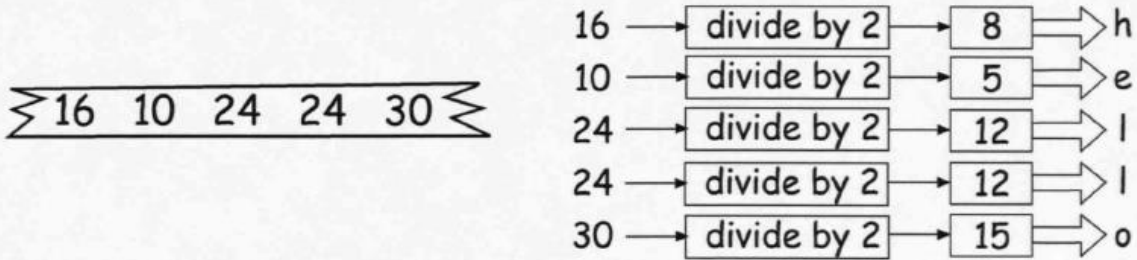
Decode Message 1 by using the function 'divide by 2'.

8 18 44 18 8 10   4 50   40 46 30

d i v i d e   b y   t w o

Decode Message 2 by using the function 'subtract 2'.

22 25 17   11 21   7 24 7 16
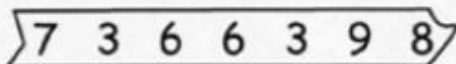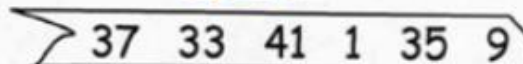
t w o   i s   e v e n

Functions

- ● divide by 2 and add 1
- subtract 3
- ● divide by 3
- ● add 1 and then divide by 2
- ● add 6
- ● divide by 4

Decode these mathematical words by using the correct function. Choose from the 6 functions above.

million
7 3 6 6 3 9 8

square
37 33 41 1 35 9

kite 20 16 38 8

4 72 20 4 area

3 36 21 15 6 54 3

algebra

Decode Key

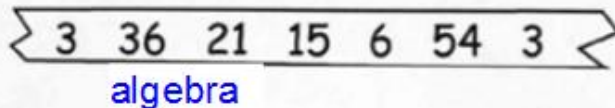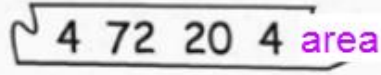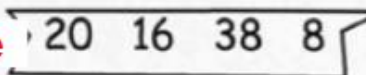| 1 | ⇒ a |
2	⇒ b
3	⇒ c
4	⇒ d
5	⇒ e
6	⇒ f
7	⇒ g
8	⇒ h
9	⇒ i
10	⇒ j
11	⇒ k
12	⇒ l
13	⇒ m
14	⇒ n
15	⇒ o
16	⇒ p
17	⇒ q
18	⇒ r
19	⇒ s
20	⇒ t
21	⇒ u
22	⇒ v
23	⇒ w
24	⇒ x
25	⇒ y
26	⇒ z

Challenge

The message below is decoded as mathematics.

42 6 63 27 18 42 6 63 30 12 60

What function is used to decode the message?

divide 3 and subtract 1