

Name: \_\_\_\_\_

Year: \_\_\_\_\_

## EYFS (Nursery and Reception)

4      2      7      9

Write down what is one more or  
one less than the above numbers.

## KS1 (Year 1 & 2)

### ICE CREAM



How many different two-scoop  
ice creams can be made?



## LKS2 (Year 3 & 4)



Brianna thinks of a  
number. "If I double my  
number and add 5 the  
answer is 23"



Brooklyn thinks of a  
number. "If I add 4 to my  
number then divide the  
result by 2, the answer is  
12"



Brooke thinks of a  
number. "If I multiply my  
number by 5 and add 2  
the answer is 67"



Bryan thinks of a number.  
"If I multiply my number  
by 2 and subtract 3 then  
multiply the result by 2,  
the answer is 4 less than  
82"

What numbers are they thinking of?

## UKS2 (Year 5 & 6)

### FireWords

Firewords are Fireworks which display words in  
the night sky. You can buy Firewords to make any  
word but the cost depends on the letters in the  
word.

A costs 1p, B costs 2p etc.

Which Firewords will cost exactly £1?

A = 1p	B = 2p	C = 3p	D = 4p
E = 5p	F = 6p	G = 7p	H = 8p
I = 9p	J = 10p	K = 11p	L = 12p
M = 13p	N = 14p	O = 15p	P = 16p
Q = 17p	R = 18p	S = 19p	T = 20p
U = 21p	V = 22p	W = 23p	X = 24p
Y = 25p	Z = 26p		

Working out space:

Now explain how you solved the problem!

---

---

---

---

---

---

Remember you can work the challenge out any way you would like to: draw pictures, use materials like buttons as counters, count in your head... Just make sure you show this on your solution paper!