

NUMBER PATTERNS

Treasure-hunter Jack has received a secret message in a sequence of numbers. Decoded, it will tell him the location of the world's largest diamond, the Golden Jubilee. The message is encoded in a "letter number" cipher. This is when letters are replaced as numbers. However only the MISSING NUMBERS will reveal the true location. Find out what these numbers are!

(Hint: The numbers follow a pattern. You will have to subtract, divide, add or multiply by a whole number or fraction to find the missing numbers.)

Example:

(+5) 5 10 15 20 **25** Then the letter is Y

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

1. 5 10 40 80

2. 29 22 15

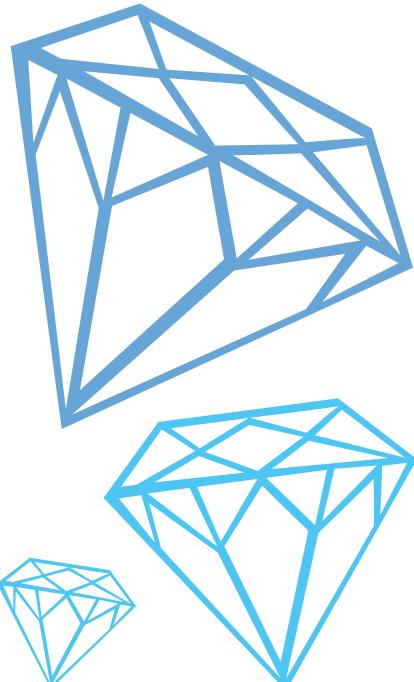
3. $\frac{27}{2}$ 6 4 $\frac{8}{3}$

4. -60 -36 -12 36

5. 81 27 9 3

6. 3024 504 84 $\frac{7}{3}$

7. 20 16 12 8



Where is the location of the Golden Jubilee Diamond?

1 2a 2b 3 4 5 6 7