

### Sharing In A Given Ratio Codebreaker

A	B	C	D	E	F	G	H	I	J	K	L	M
12	27	16	8	60	32	28	120	144	42	100	200	36

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
24	45	18	20	180	80	48	15	90	25	64	30	56

Answer the questions, link your answers to the table and unjumble the letters to reveal what geologists like to play:

I spend and save £48 in the ratio 2:1. How much did I save?	The angles in a triangle are in the ratio 1:5:3. What is the size of the largest angle?	A recipe for a dessert for 6 people requires 120g of sugar. How much sugar would I need for a dessert 9 people?	Anne and Dawn share £120 in the ratio 5:3. How much did Dawn receive?

I got some money for my birthday. I save and spend in the ratio 2:3. I save £32. How much money did I receive for my birthday?	Dave and Ryan share some money in the ratio 7:4. Dave got £28, how much did Ryan get?	A quadrilateral's angles are shared in the ratio 1:2:3:4. What is the size of the largest angle?	Chloe divides an hour of revision up between maths and English in the ratio 3:2. How much does she spend revising maths?	A triangle has sides in the ratio 4:3:5. The perimeter of the triangle is 60cm. What is the length of the shortest side?

Answer:

.....