

angles of the triangle to be trisectible, the rational cosine values must meet certain conditions. Using some elementary aspects of the theory of constructible numbers, we obtain several general methods for finding triangles that meet our conditions, then present some examples and explore a few properties of these triangles.

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Solution to puzzle on page 197:

1	S	2	P	3	A	4	R		5	A	6	N	7	A	8	S		9	O	10	P	11	T	12	I	13	C
14	O	R	Z	O					15	M	M	X	L					16	H	A	R	P	O				
17	S	I	T	S					18	T	R	I	A	19	N	G	U	L	A	R							
20	A	M	E	S	21	S							22	S	P	O	O	L									
23	D	E	C	I	M	24	A	L	25				26	O	R	D	I	27	N	A	L						
									30	U	T	A	H	N							32	E	T	A			
									33	B	A	R	R	I	O		35	A	B	R	A	M	S				
									38	P	E	R	F	E	C	T	39	S	Q	U	A	R	E				
40	I	O	D	I	S	E							41	E	T	A	G	E	S								
42	C	G	I										43	E	P	U	B	S									
44	C	O	M	45	P	L	E	X					48	N	A	T	49	U	R	A	L						
									53	H	I	P	P	O	54					55	O	M	E	G	A		
56	I	57	R	58	R	A	T	I	O	N	A	L							61	A	A	R	P				
62	S	I	E	G	E								63	S	T	L	O			64	S	L	I	P			
65	O	D	D	E	R								66	E	V	E	N			67	S	S	N	S			