

TAKE THREE NUMBERS

Nrich live problems



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NRICH LIVE PROBLEMS *Take three numbers*

Solution:

I noticed that odd+odd+even is always even.

Other solutions↓

Odd+even+even=odd

Even+even+even=even

Odd+odd+odd=odd

Examples:

$$23+7+24=54$$

$$7+2+4=13$$

$$6+20+4=30$$

$$7+43+21=71$$

$$13+13+12=38$$

$$13+22+6=41$$

$$8+20+10=38$$

$$7+59+1+3=70$$

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The answer will always be even.

This is because an odd number + an odd number = an even number. An even number + an even number = an even number.

Also an odd number + an even = an odd number. An odd number + an odd number = an even number