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How do computers see color?

Computers don't see colors like you and me, where we can see a ton of colors just by looking at them, the computer doesn't know what the color looks like at all!

Computers see color by "mixing" together 3 colors in specific amounts. These mixes are called RGB codes; R stands for red, G stands for green, and B stands for blue.

We can see an example here: (119, 16, 133), this is the RGB code for this shade of **purple right here**. The computer uses the numbers to mix together the correct amount of red, green, and blue to make all the colors on a computer screen. Solve these math problems to find the codes for the colors and color in the pictures!

Letter	Red	Green	Blue
A	$100+100+55=$	$300-50-5=$	$250+5=$
B	$300-60+15=$	$100+6=$	$10-10=$
C	$80+8=$	$30+15+7=$	$33+6=$
D	$260-5=$	$200+20-4=$	$0+0=$
E	$257-2=$	$0=$	$0=$
F	$5+5-10=$	$35+3=$	$250+5=$
G	$0=$	$32-32=$	$4+1-5=$
H	$0=$	$150-2=$	$280-25=$
I	$2-1=$	$70-2=$	$28+4=$
J	$130-2=$	$0+5-5=$	$100-100=$

	<u>Red</u>	<u>Green</u>	<u>Blue</u>
White	255	255	255
Black	0	0	0
Red	255	0	0
Orange	255	106	0
Yellow	255	216	0
Dark Green	1	68	32
Blue	0	38	255
Light Blue	0	148	255
Brown	88	52	39
Maroon	128	0	0

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