

Upward Bound Prejunior Practical Mathematics Quiz Two • Name:

Matching. Match the color to the correct hexadecimal RGB color command. Write the letter of for the correct hexadecimal RGB color command next to the color.

Color	Hexadecimal RGB color command
1. _____ Black	A. #000
2. _____ Blue	B. #00F
3. _____ Cyan (aquamarine blue-green)	C. #0F0
4. _____ Green	D. #0FF
5. _____ Magenta (pinkish-purple)	E. #F00
6. _____ Red	F. #F0F
7. _____ White	G. #FF0
8. _____ Yellow	H. #FFF

9. _____ What is $5 + 5$ in base 16 (hexadecimal)?

10. _____ What is $A + A$ in base 16 (hexadecimal)?

11. _____ What is 6×7 in base 16 (hexadecimal)?

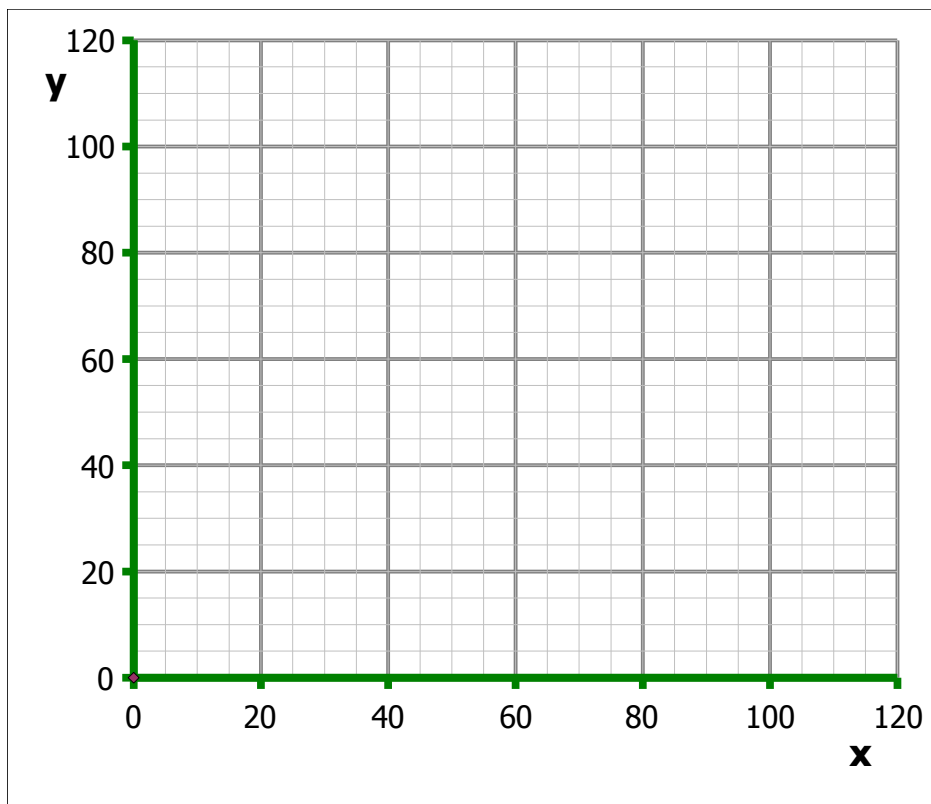
12. _____ Solve for x: $5x + 2 = 42$

13. _____ Is there a base in which $6 \times 7 = 52$? If yes, then what base? _____

14. _____ Is 6×7 always equal to 42?

15. Walkingalongaleen recorded the following time versus distance data seen in the table below. Plot Walkingalongaleen's data on the xy scatter chart provided on the next page.

Time/seconds (x)	Distance/meters (y)
15	30
30	60
45	90
60	120



16. slope $m =$ _____ Determine the slope of the best fit line.
17. y-intercept = _____ Determine the y-intercept of the best fit line.
18. _____ Write out the slope-intercept equation for the line.
19. _____ How far will Walkingalongaleen walk in 300 seconds?
20. _____ How long will it take for Walkingalongaleen to go 10,000 meters, the distance from the college to town?

Formulas

Slope	Point-slope	Slope-intercept
$slope\ m = \frac{rise}{run} = \frac{(y_2 - y_1)}{(x_2 - x_1)}$	$(y - y_1) = m(x - x_1)$	$y = mx + b$