

FROM UNIT #5:

1. Subtract 1 ft 5 in. from 4 ft 9 in.

2. Set up the proportion and solve:

If a child that is 4 ft tall casts a shadow that is 6 ft long,
how tall is a tree that casts a shadow that is 15 ft long?



3. Write $\frac{6}{25}$ as a percent.

4. What percent of 500 is 15?

5. A store marks up items to make a 9.5% profit. If an item costs \$22.50 from the supplier, what will the selling price be? Give your answer in dollars and cents.

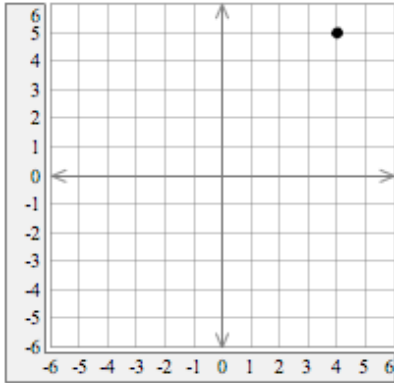
6. KT works at the local store for a commission rate of 3.5%. If KT needs to earn \$49 for school, how much must KT sell?

7. A student needs 70% to pass an examination containing 30 questions. How many questions must the student get right to pass?

The student must answer _____ questions correctly to pass.

FROM UNIT #6:

8. True or False? The point on the graph below corresponds to the ordered pair (4, 5).

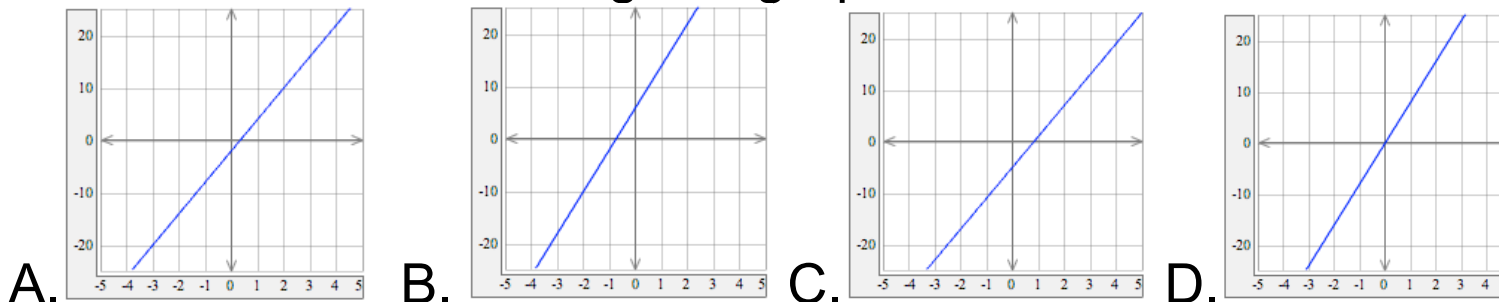


9. Consider the line $y = 6x - 5$

Complete the table of values that are solutions for the line.

X	Y
-1	
0	
1	

10. Which of the following is a graph of $y = 6x - 5$?



11. Simplify the expression: $5x^2 \bullet 4x^4$

12. Simplify the expression: $(x^5)^4$

13. Simplify the expression: $\frac{x^7}{x^3}$

14. Add: $(3x^2 - 6x + 9) + (2x^2 - 5x - 1)$

15. Multiply: $(3x - 8)(7x + 1)$

FROM UNIT #7:

16. Factor by grouping:

$$dx - dy + 5x - 5y$$

17. Factor: $8x^2 - 14x + 3$

18. Factor: $x^2 - 3x - 18$
