TAHNOON BIN MOHAMMED (2021-2022)
MATH QUIZ (GRADE 6) - TERM 2
CHAPTER 7 - EQUATIONS

Write the letter for the correct answer in the blank at the right of each question.

What is the solution of each equation?

1. $8 + g = 18$
   A. 26   B. 11   C. 10   D. 8   1. _____

2. $p - 10 = 5$
   F. 11   G. 14   H. 15   I. 16   2. _____

3. $6w = 60$
   A. 6   B. 10   C. 12   D. 30   3. _____

4. $\frac{d}{14} = 7$
   F. 2   G. 7   H. 21   I. 98   4. _____

5. $y + 7 = 11$
   A. 18   B. 17   C. 5   D. 4   5. _____

6. $13 = t + 2$
   F. 15   G. 13   H. 11   I. 9   6. _____

7. $a - 5 = 12$
   A. 5   B. 7   C. 17   D. 60   7. _____

8. $13 = t - 4$
   F. 52   G. 17   H. 9   I. 8   8. _____

9. A pet store has 45 mice. The number of mice is 22 more than the number of cats. Which equation can be solved to find the number of cats c?
   A. $22c = 45$ C. $c + 22 = 45$
   B. $45c = 22$ D. $c - 22 = 45$ 9. _____

10. Tulia bought 9 new golf balls. If she now has a total of 22 golf balls, how many did she start with?
    F. 31   G. 26   H. 13   I. 9   10. _____

What is the solution of each equation?

11. $7d = 35$

    A. 5   **B.** 6   **C.** 42   **D.** 245   **11.** _____

12. $42 = 6f$

    F. 7   **G.** 8   **H.** 48   **I.** 252   **12.** _____

13. $9 = \frac{x}{7}$

    A. 16   **B.** 54   **C.** 56   **D.** 63   **13.** _____

14. $\frac{e}{4} = 20$

    F. 5   **G.** 8   **H.** 80   **I.** 100   **14.** _____

15. Four friends bought tickets to the school play. If it cost them a total of $28, which equation could be used to find how much each friend paid?

    A. $\frac{x}{4} = 28$ **C.** $x + 4 = 28$

    B. $28 - x = 4$ **D.** $4x = 28$ **15.** _____

16. The height reached by Amal's rocket was one fourth the height reached by Min's rocket. Amal's rocket reached a height of 15 meters. Which equation could be used to find the height reached by Min's rocket?

    F. $4m = 15$ **H.** $\frac{m}{4} = 15$

    G. $15m = 4$ **I.** $4 + m = 15$ **16.** _____

What is the solution of each equation?

17. $\frac{x}{5} = 15$

    A. 3   **B.** 10   **C.** 20   **D.** 75   **17.** _____

18. $4b = 32$

    F. 128   **G.** 11   **H.** 10.5   **I.** 8   **18.** _____

19. $8c = 40$

    A. 5   **B.** 6   **C.** 32   **D.** 40   **19.** _____

20. Chad earned $30 for raking leaves. He has also earned money by doing chores. Altogether, he has earned $120. How much did he earn doing chores?

    F. $15   **G.** $20   **H.** $90   **I.** $150   **20.** _____