Quiz 1 Solutions: Cambridge Checkpoint Mathematics- Stage 8

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Narinukun International Programme Practice Final Examination

This examination has 20 questions, for a total of 40 points and 10 bonus points.

Answer the questions in the spaces provided on the question sheets. If you run out of room for an answer, continue on the back of the page.You must show all of your work for credit

Full Name in English: _____
Nickname: _____

You must show all of your work for credit

Remember: **ADDITION AND SUBTRACTION**If the signs are the same, just add and keep the sign. If the signs are different, subtract and keep the sign of the bigger one.
MULTIPLICATION AND DIVISION If the signs are the same, the result will be positive. If the signs are different, the results will be negative.

1. What is $-7+4=-3$
2. What is $9-(-3)=9+3=12$
3. What is $-5\times 6=-30$

4. What is $-20 \div 5 = -4$
5. What is $12 + (-8) = 12 - 8 = 4$
6. What is $-15 - 10 = -25$
7. What is $-4 \times -7 = 28$
8. What is $28 \div -4 = 7$
9. What is $-18 + 7 = -11$
10. What is $10 - 15 = -5$
11. What is $-3 \times 8 = -24$
12. What is $-36 \div -6 = 6$
13. What is $-21 + 15 = -6$
14. What is $20 - (-10) = 30$
15. What is $-2 \times -10 = 20$
16. A bank account had \$100. After 5 withdrawals of \$20 each, what is the balance?

$$100 - (5 \times 20) = 100 - 100 = 0$$

17. A submarine was at a depth of 400 feet below sea level. It then ascended 150 feet. What is its new depth below sea level?

$$-400 + 150 = -250$$

18. An elevator starts at ground level, goes down 3 floors, up 5 floors, then down 2 floors. If each floor is equal in height, on what floor is the elevator now?

$$0 - 3 + 5 - 2 = 0$$

The elevator has returned to the ground floor.

19. In a game, a player scored 3 points, then lost 5 points, then scored 2 more points. What is the player's total score?

$$3 - 5 + 2 = 0$$

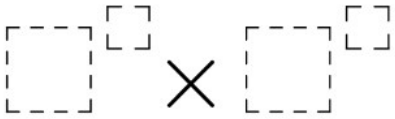
20. A hiker ascends 500 feet, descends 300 feet, ascends another 200 feet and then descends 400 feet. What is the hiker's net change in elevation?

$$500 - 300 + 200 - 400 = 0$$

Bonus

You do NOT have to do this problem. It is up to you. (5 points)

The digits 2,0,2 and 3 are placed in the expression below, one digit per box. What is the maximum possible value of the expression?



(A) 0 **(B)** 8 **(C)** 9 **(D)** 16 **(E)** 18

$$3^2 \times 2^0 = 9 \times 1 = 9$$