Year 8 Expressions and Equations – Developing

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Year 8 · Maths · Expressions, Formulae and Equations · Level 2 Developing · 10 questions

Name _____ **Date** _____

A. Use algebra

1. Think of a number n. Subtract it from 3 and then multiply by 3. Write an expression for the result.

Answer _____

2. Think of a number n. Take a quarter of it and then subtract 8. Write an expression for the result.

Answer _____

3. Make d the subject of the formula $s = d/t$.

Answer _____

4. Make l the subject of the formula $P = 2l + 2w$.

Answer _____

5. Solve $9x - 2 = 5x - 22$.

Answer _____

6. Solve $x/3 + 10 = 8$.

Answer _____

7. Solve $9x + 9 = 2x + 93$.

Answer _____

8. Kofi thinks of a number, multiplies it by 4 and subtracts 5. The answer is the same as doubling the number and adding 3. Write an equation and solve it.

Answer _____

9. n is an integer and $2 \leq n < 7$. List all the possible values of n.

Answer _____

10. n is an integer and $-3 < n \leq 1$. List all the possible values of n.

Answer _____