



Practice exercise: Intro to Algebra

Subtopics: Translating English to Algebra

1. One tenth of x
 - a. $1.1x$
 - b. $25x$
 - c. $10x$
 - d. $\frac{x}{10}$

2. 4 less than 6 times a number
 - a. $6x - 4$
 - b. $4x - 6$
 - c. $2x$
 - d. $4 - 6x$

3. Lin had RM37 remaining after paying y ringgit for a dinner and a movie. How much did she have at the start of the evening?
 - a. $37 - y$
 - b. $37 + y$
 - c. $y - 37$
 - d. $37y$

4. The product of twice a number and 9 is 252
 - a. $18x = 252x$
 - b. $2x + 9 = 252$
 - c. $18x = 252$

5. Four times a number increased by 8 divided by 4 is 4
- a. $4(x+8) / 4 = 8$
 - b. $(4x+8) / 4 = 4$
 - c. $4x + 8 / 4 = 8$
 - d. $4x + 8 / 4 = 4$
6. 20 minus twice a number equals 5 more than the number
- a. $20 - 2 = 5 + x$
 - b. $20 - 2x = 5 + x$
 - c. $20 - 2x = 5 + 2x$
7. Eight years ago, Lily was m years old. How old will she be five years from now?
- a. $m + 5$
 - b. $m - 13$
 - c. $m + 13$
 - d. $m - 3$
8. A rectangle of length p and width t has a perimeter equal to
- a. $p * t$
 - b. $p + t * 2$
 - c. $2p + 2t$
 - d. $p + t$
9. If a taxi drives 250km in t hours, then its average speed in km/h is represented by
- a. $250 - t$
 - b. $t + 250$
 - c. $250 / t$
 - d. $250t$

Answer Key

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1. D

2. A

3. B

4. B

5. B

6. B

7. C

8. D

9. C