



Date: _____

Mark: _____



Solve the following equations.

1. $a + 12 = 19$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

2. $b - 7 = 6$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

3. $\frac{g}{7} = 10$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



Reminder

When solving equations involving multiplication (or division), we need to divide (or multiply) the same number on both sides (except 0).

E.g. $2a = 18$
 $\frac{2a}{2} = \frac{18}{2}$
 $a = 9$



Solve the following equations and check your answers.

4. $14 + e = 23$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Checking

When $e = \underline{\hspace{2cm}}$,
 L.H.S. = $14 + e$
 = $14 + \underline{\hspace{2cm}}$
 = $\underline{\hspace{2cm}} = \text{R.H.S.}$

5. $6c = 24$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Checking

When $c = \underline{\hspace{2cm}}$,
 L.H.S. = $6c$
 = $\underline{\hspace{2cm}}$
 = $\underline{\hspace{2cm}} = \text{R.H.S.}$



Find the solution for the following equations.

6. $h - 250 = 58$

$h =$

7. $\frac{w}{6} = 8$

$w =$

8. $13 + k = 58$

$k =$

9. Which of the following is/are equation(s)? Write the letter(s) for the answer.

- A. $16g + 5$ B. $\frac{k}{8} = 90$ C. $67 + v = 87$
 D. $y - 10 = 31$ E. $15 - 9 = 6$ F. $25h = 100$

Answer: _____

10. (a) The original price of a game console is \$ p . The discount price is \$600. Which of the following equations can be used to find the original price of the game console?

- A. $p - 60 = 600$ B. $p + 60 = 600$
 C. $p + 600 = 60$ D. $600 - p = 60$




(b) The original price of the game console was \$ _____.

11. Martin is 40 years old. His age is 5 times of Mary's age. How old is Mary? (Use an equation to solve the problem)



Scoring Key

 Set the unknown first.

12. There are 60 pages in the summer exercise book. Wing finished x pages on the first day and 9 pages on the second day. 40 pages were left unfinished. How many pages did Wing finish on the first day?

Answer: _____ page(s)

13. If $\frac{b}{9} = 13$, then $\frac{b}{3} = ?$

Answer: _____

Brain Quest



3, 6, 9, 12, 15

In the above sequence, if the n -th number is 387, then n is _____.



Detailed tips