



Warm Up

Grade 7



Quiz Warm Up Tomorrow

show work

Simplify FIRST THEN Evaluate by replacing z with 4 and d with 5.

a) $9z + 7 - 3z - 3 + 2d$

$$9z - 3z + 2d + 7 - 3$$

$$6z + 2d + 4$$

$$6(4) + 2(5) + 4$$

$$24 + 10 + 4$$

38

b) $14d - 8 + 11 + d$

$$14d + d + 11 - 8$$

$$15d + 3$$

$$15(5) + 3$$

$$75 + 3$$

78

c) $40 - 2d + 3z$

$$40 - 2(5) + 3(4)$$

$$40 - 10 + 12$$

42

Homework

Grade 7 Worksheet #2

Name _____

Assignment Combining Like Terms Solutions

Date _____

Simplify each expression.

$$1) \underbrace{3x + 8x + x + x + x + 2 + 5}_{14x + 7}$$

$$3) 2m + 6m + 8z + 7m + 2z + 9k$$

$$2m + 6m + 7m + 8z + 2z + 9k$$

$$15m + 10z + 9k$$

$$5) 1 + 9x + 1 + 10x$$

$$19x + 2$$

$$7) 6r - 2r + 7 + 5$$

$$4r + 12$$

$$9) 10x + 3 + x + 8$$

$$11x + 11$$

$$11) 9n + 3b + n + b + 3b + 2n$$

$$12n + 7b$$

$$13) x + 7 + x - 3$$

$$x + x + 7 - 3$$

$$2x + 4$$

$$15) 23m - 8m + 7k + 2k$$

$$15m + 9k$$

$$17) 8n + 10m + m + 2m + n + m + 2n$$

$$11n + 14m$$

$$19) x + 7x$$

$$8x$$

$$2) \underbrace{20n + 4y + 9y + 7n}_{20n + 7n + 4y + 9y}$$

$$27n + 13y$$

$$4) 19 + 6p + 9p + 3$$

$$22 + 15p$$

$$6) 3b - 10 + 3b$$

$$6b - 10$$

$$8) 6n + 4n + 5 + 10 + 3 + n + n$$

$$12n + 18$$

$$10) 6n - 1n$$

$$5n$$

$$12) 8 + v + 1$$

$$v + 9$$

$$14) 7k + 8 + 7$$

$$7k + 15$$

$$16) 5 + 4n + 7 + 5n$$

$$9n + 12$$

$$18) 8v - 4v + 2v + 6v + 10$$

$$12v + 10$$

$$20) 7 + 9n + 7$$

$$9n + 14$$

Homework Solutions

Combine like terms then evaluate each using the values given. (SHOW WORK)

21) $3k + 6k$; use $k = 4$

$$\begin{aligned} & 9k \\ & 9 \times 4 \\ & 36 \end{aligned}$$

22) $5n + 10n + 2n$; use $n = 3$

$$\begin{aligned} & 17n \\ & 17 \times 3 = 51 \end{aligned}$$

23) $2g + 4c + 8g + 3c$; use $g = 5$, and $c = 2$

$$\begin{aligned} & 2g + 8g + 4c + 3c \\ & 10g + 7c \\ & 10(5) + 7(2) \\ & 50 + 14 \\ & 64 \end{aligned}$$

24) $2z + y + 4z + 5y + y + 8z$; use $z = 7$, and $y = 3$

$$\begin{aligned} & 2z + 4z + 8z + y + 5y + y \\ & 14z + 7y \\ & 14(7) + 7(3) \\ & 98 + 21 \\ & 119 \end{aligned}$$

25) $6s + 9y + 9j + 2s + 10$; use $s = 2$, $y = 6$ and $j = 3$

$$\begin{aligned} & 6s + 2s + 9y + 9j + 10 \\ & 8s + 9y + 9j + 10 \\ & 8(2) + 9(6) + 9(3) + 10 \\ & 16 + 54 + 27 + 10 \\ & 107 \end{aligned}$$

26) $x + 3y + 6y + 7x + 2y + 10x$; use $x = 2$, and $y = 3$

$$\begin{aligned} & 18x + 11y \\ & 18(2) + 11(3) \\ & 36 + 33 \\ & 69 \end{aligned}$$

Quiz _____

Class/Homework

Homework
Combining Like Terms Worksheet 2



Finish sheet
from yesterday

Worksheet today - Combine like terms 2022
on next slide



Grade 7 combine like terms sheet

Simplify and evaluate

Name: _____

1. $10x + 2 - 5 - 8x - 4$, for $x = 5$

2) $3a + 7 + 6 + 2a$, for $a = 3$

3) $3m - 15 + m$, for $m = 9$

1. $2w + 10 - 7w - 8 + 3w - 7$, for $w = 3$

5) $8c - 4 - 2c + 5$, for $c = 7$

6) $12n - 8 - 2n + 10 - 4$, for $n = 6$

7) $15x + 7y - 3y - 4x + 3x + 10$, for $x = 2$ and $y = 7$

8) $8k + 14 - 5k + 4k + 2r + 5$, for $k = 4$ and $r = 2$

9) $9p + 3q - 2p - 3q$, for $p = 3$ and $q = 9$

10) $6u + 9v + u + 3v$, for $u = 7$ and $v = 4$

Attachments

Oct. 4 Grade 7 Extra Prctice Worksheet 3 (Homework SHEET).pdf

Gr 7 U1 pat day 4 collect like terms weorksheet.docx

Grade 7 Unit 1 Combining Like terms WS 1 (WED. OCT2).docx

Grade 7 combine like terms sheet 2022.docx