



Warm Up

Grade 7



Quiz Friday, Oct. 21

show work

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

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

$$\begin{array}{r}
 9z - 3z + 2d + 7 - 3 \\
 \hline
 6z + 2d + 4 \\
 \downarrow \quad \downarrow \\
 6(4) + 2(5) + 4 \\
 \hline
 24 + 10 + 4 \\
 \hline
 38
 \end{array}$$

b) $14d - 8 + 1 + d$

$$\begin{array}{r}
 14d + d - 8 + 1 \\
 \hline
 15d + 3 \\
 \downarrow \\
 15(5) + 3 \\
 \hline
 75 + 3 \\
 \hline
 78
 \end{array}$$

c) $40 - 2d + 3z$

$$\begin{array}{r}
 40 - 2(5) + 3(4) \\
 \hline
 40 - 10 + 12 \\
 \hline
 42
 \end{array}$$

$+/-$

$(-)$

Homework

Grade 7 Worksheet #2

Name _____

Assignment Combining Like Terms

Date _____

Solutions

Simplify each expression.

1) $3x + 8x + x + x + x + 2 + 5$

$$14x + 7$$

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

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

19) $x + 7x$

2) $20n + 4y + 9y + 7n$

$$20n + 7n + 4y + 9y \\ 27n + 13y$$

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

$$22 + 15p \quad \text{or} \quad 15p + 22$$

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

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

20) $7 + 9n + 7$

Quiz Friday, Oct. 21

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