



GRADE 6 · EXPRESSIONS & EQUATIONS · HOMEWORK

COMBINING LIKE TERMS

Today's goal: I can apply the commutative property to generate one or more equivalent expressions, including combining and separating like terms and apply the associative property to generate one or more equivalent expressions, including combining and separating like terms.



Pick your peppers!

Everyone does Mild & Medium. Then climb as high as you can.



Mild

Tan the Turtle



Medium

Digit the Fox



Spicy

Blaze the Dragon

WATCH MR DJ SOLVE

Simplify $y + 9y$.

1 y is $1y$, so $1 + 9 = 10$.

Answer: **10y**



REMEMBER Combine only terms with the SAME variable part. $14t + 3 - 6t \rightarrow (14t - 6t) + 3 = 8t + 3$. A bare y means $1y$. A term with no like partner stays put.



FAMILY CORNER

No need to remember this math yourself! Ask your student to teach you Mr DJ's example, then try the first Mild problem together.



MILD

Tan the Turtle: Slow and steady. Warm up!

1 Simplify $5b + 2b$.

Answer

2 Simplify $10c - 4c$.

Answer



OOPS ALERT

Careful on #1! Blaze spotted the slip Mr DJ sees most: Answered $7b^2$.



☹☹ **MEDIUM**

Digit the Fox: Stretch your brain.

3 Simplify $3x + 8 + 5x$.

Answer

4 Simplify $12n + 5 - 7n$.

Answer

5 Can $6x + 7$ be simplified further? Explain.

Answer



☹☹☹ **SPICY**

Blaze the Dragon: Bring the heat!

6 Simplify $3(x + 2) + 2x$. Expand first, then combine.

Answer

7 Simplify $9t - 2t + t$, then check by substituting $t = 5$ into the original and your result.

Answer



How did this sheet feel?

☐

Easy for me

☐

Just right

☐

Made me think

Stuck? Watch Mr DJ explain it

"Combining Like Terms - Watch me solve this in under 2 minutes - then you try one!" on YouTube: youtube.com/@MathWithMrDJ

Brain break: daily puzzles

Three new math puzzles every day, free:
puzzles.mathwithmrdj.com