Math Practice - Grade 6

M8 Equivalent expressions - Expand with the distributive property

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Expand the expression. Write the answer in the box.

Example: Expand 6 (4 + y).

How: Multiply the number outside by every term inside the parentheses. Add the products; do not add the outside number to a term inside.

$6\ (4 + y) =$ 24 + 6y

1 **Expand 8 (5 + y).**

$8\ (5 + y) =$ ☐

2 **Expand 2 (6 + x).**

$2\ (6 + x) =$ ☐

3 **Expand 7 (9 + y).**

$7\ (9 + y) =$ ☐

4 **Expand 7 (3 + x).**

$7\ (3 + x) =$ ☐

5 **Expand 8 (4 + x).**

$8\ (4 + x) =$ ☐

6 **Expand 2 (5 + x).**

$2\ (5 + x) =$ ☐

7 **Expand 5 (9 + x).**

$5\ (9 + x) =$ ☐

8 **Expand 3 (4 + y).**

$3\ (4 + y) =$ ☐

9 **Expand 8 (8 + x).**

$8\ (8 + x) =$ ☐

10 **Expand 4 (9 + y).**

$4\ (9 + y) =$ ☐

Math Practice - Grade 6

M8 Equivalent expressions - Expand with the distributive property

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Expand the expression. Write the answer in the box.

Example: Expand 2 (5 + x).

How: Multiply the number outside by every term inside the parentheses. Add the products; do not add the outside number to a term inside.

$2\ (5 + x) =$ 10 + 2x

1 **Expand 5 (8 + y).**

$5\ (8 + y) =$ ☐

2 **Expand 3 (5 + y).**

$3\ (5 + y) =$ ☐

3 **Expand 7 (6 + y).**

$7\ (6 + y) =$ ☐

4 **Expand 7 (9 + y).**

$7\ (9 + y) =$ ☐

5 **Expand 5 (6 + x).**

$5\ (6 + x) =$ ☐

6 **Expand 2 (4 + y).**

$2\ (4 + y) =$ ☐

7 **Expand 6 (2 + y).**

$6\ (2 + y) =$ ☐

8 **Expand 3 (8 + y).**

$3\ (8 + y) =$ ☐

9 **Expand 3 (2 + x).**

$3\ (2 + x) =$ ☐

10 **Expand 7 (8 + x).**

$7\ (8 + x) =$ ☐

Math Practice - Grade 6

M8 Equivalent expressions - Expand with the distributive property

M8 6.EE.A.3, 6.EE.A.4

Name: _____ Date: _____

Expand the expression. Write the answer in the box.

Example: Expand 8 (8 + x).

How: Multiply the number outside by every term inside the parentheses. Add the products; do not add the outside number to a term inside.

$8\ (8 + x) =$ 64 + 8x

1 **Expand 8 (7 + y).**

$8\ (7 + y) =$ ☐

2 **Expand 4 (3 + y).**

$4\ (3 + y) =$ ☐

3 **Expand 4 (4 + y).**

$4\ (4 + y) =$ ☐

4 **Expand 3 (8 + x).**

$3\ (8 + x) =$ ☐

5 **Expand 7 (2 + x).**

$7\ (2 + x) =$ ☐

6 **Expand 6 (3 + x).**

$6\ (3 + x) =$ ☐

7 **Expand 4 (8 + x).**

$4\ (8 + x) =$ ☐

8 **Expand 5 (9 + y).**

$5\ (9 + y) =$ ☐

9 **Expand 7 (6 + y).**

$7\ (6 + y) =$ ☐

10 **Expand 8 (8 + y).**

$8\ (8 + y) =$ ☐