

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Factoring / Distributive Property Worksheet

Use the distributive property to simplify the expressions.

<b>1 a.</b> $3(7r + u)$	<b>1 b.</b> $8(4 + 5d)$
<b>2 a.</b> $8(5z + t)$	<b>2 b.</b> $6(7 + 9w)$
<b>3 a.</b> $6(11 + 8u)$	<b>3 b.</b> $5(6q + 11)$
<b>4 a.</b> $5(3x + d)$	<b>4 b.</b> $3(9 + 2x)$
<b>5 a.</b> $2(4 + 7r)$	<b>5 b.</b> $9(3 + 7w)$
<b>6 a.</b> $6(5r + v)$	<b>6 b.</b> $2(1 + 2g)$
<b>7 a.</b> $8(2 + 7d)$	<b>7 b.</b> $4(8 + 9y)$

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## Answer Key

<b>1 a.</b> $21r + 3u$	<b>1 b.</b> $32 + 40d$
<b>2 a.</b> $40z + 8t$	<b>2 b.</b> $42 + 54w$
<b>3 a.</b> $66 + 48u$	<b>3 b.</b> $30q + 55$
<b>4 a.</b> $15x + 5d$	<b>4 b.</b> $27 + 6x$
<b>5 a.</b> $8 + 14r$	<b>5 b.</b> $27 + 63w$
<b>6 a.</b> $30r + 6v$	<b>6 b.</b> $2 + 4g$
<b>7 a.</b> $16 + 56d$	<b>7 b.</b> $32 + 36y$