

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

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

# 2ND GRADE DISTRIBUTIVE PROPERTY WORKSHEET

Use the distributive property to solve each problem

Expand:  $2x(3 + 2)$

Expand:  $3y(4 + 1)$

Expand:  $4a(2 + 3)$

Solve for d:  $2d(5 + 3) = 32$

Solve for e:  $3e(4 + 2) = 36$

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# 2ND GRADE DISTRIBUTIVE PROPERTY WORKSHEET

Use the distributive property to solve each problem

Expand:  $2x(3 + 2)$

$$\begin{aligned} &= 2x * 3 + 2x * 2 \\ &= 6x + 4x = 10x \end{aligned}$$

Expand:  $3y(4 + 1)$

$$\begin{aligned} &= 3y * 4 + 3y * 1 \\ &= 12y + 3y = 15y \end{aligned}$$

Expand:  $4a(2 + 3)$

$$\begin{aligned} &= 4a * 2 + 4a * 3 \\ &= 8a + 12a = 20a \end{aligned}$$

Solve for d:  $2d(5 + 3) = 32$

$$\begin{aligned} \Rightarrow 2d * 8 &= 32 \\ \Rightarrow 16d &= 32 \\ \Rightarrow d &= 2 \end{aligned}$$

Solve for e:  $3e(4 + 2) = 36$

$$\begin{aligned} \Rightarrow 3e * 6 &= 36 \\ \Rightarrow 18e &= 36 \\ \Rightarrow e &= 2 \end{aligned}$$