

Name: _____

Score: _____

Inverse and Identity Property of Multiplication

M

Use identity or inverse property of multiplication to fill in the missing number.

1) $-\frac{1}{5} \times \underline{\hspace{2cm}} = 1$	2) $1 \times \underline{\hspace{2cm}} = 11$	3) $\underline{\hspace{2cm}} \times 1 = -9$
4) $\underline{\hspace{2cm}} \times 12 = 1$	5) $6 \times \underline{\hspace{2cm}} = 6$	6) $\underline{\hspace{2cm}} \times 15 = 15$
7) $-14 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$	<div style="border: 2px solid #0070C0; padding: 20px; margin: 0 auto; width: 80%;"> <h1 style="color: #0070C0; margin: 0;">PREVIEW</h1> <p style="color: #0070C0; font-weight: bold; margin: 10px 0;">Gain complete access to the largest collection of worksheets in all subjects!</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="background-color: #0070C0; color: white; padding: 10px; width: 40%; transform: rotate(-2deg);"> <p style="margin: 0;">Members, please log in to download this worksheet.</p> </div> <div style="background-color: #0070C0; color: white; padding: 10px; width: 40%; transform: rotate(2deg);"> <p style="margin: 0;">Not a member? Please sign up to gain complete access.</p> </div> </div> <p style="color: #0070C0; font-weight: bold; margin: 10px 0;">www.mathworksheets4kids.com</p> </div>	
10) $\underline{\hspace{2cm}} \times (-8) = \underline{\hspace{2cm}}$		
13) $\underline{\hspace{2cm}} \times 1 = \underline{\hspace{2cm}}$		
16) $\frac{1}{7} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$		
19) $\underline{\hspace{2cm}} \times 1 = \underline{\hspace{2cm}}$		
22) $\frac{1}{2} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$		
25) $\underline{\hspace{2cm}} \times (-12) = 1$		
28) $\underline{\hspace{2cm}} \times 1 = 14$	29) $\underline{\hspace{2cm}} \times \frac{1}{10} = 1$	30) $6 \times \underline{\hspace{2cm}} = 1$

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Answer key**Inverse and Identity Property of Multiplication**

M

1) $-\frac{1}{5} \times (-5) = 1$	2) $1 \times 11 = 11$	3) $-9 \times 1 = -9$
4) $\frac{1}{12} \times 12 = 1$	5) $6 \times 1 = 6$	6) $1 \times 15 = 15$
7) $-14 \times 1 = -14$		8) $1 \times 1 = 1$
10) $-\frac{1}{8} \times (-8) = 1$		9) $1 \times (-6) = -6$
13) $10 \times 1 = 10$		11) $1 \times (-\frac{1}{3}) = -\frac{1}{3}$
16) $\frac{1}{7} \times 7 = 1$		12) $1 \times 8 = 8$
19) $-7 \times 1 = -7$		13) $1 \times (-\frac{1}{9}) = -\frac{1}{9}$
22) $\frac{1}{2} \times 2 = 1$		14) $1 \times 11 = 11$
25) $-\frac{1}{12} \times (-12) = 1$	26) $7 \times 1 = 7$	27) $1 \times (-3) = -3$
28) $14 \times 1 = 14$	29) $10 \times \frac{1}{10} = 1$	30) $6 \times \frac{1}{6} = 1$

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