

MULTIPLYING INTEGERS



CAN YOU HELP
US SOLVE PROBLEMS
LIKE IN THE STORY?



LET'S FIGURE OUT HOW
TO MULTIPLY POSITIVE AND
NEGATIVE INTEGERS!

CONTINUE THE PATTERN TO FIND THE ANSWERS TO THE QUESTION ON THE RIGHT.

1)

$3 \times 3 = \underline{\hspace{2cm}}$

$\text{So, } 3 \times -1 = \underline{\hspace{2cm}},$

$3 \times 2 = \underline{\hspace{2cm}}$

$\text{and } 3 \times -2 = \underline{\hspace{2cm}},$

$3 \times 1 = \underline{\hspace{2cm}}$

$\text{and } 3 \times -3 = \underline{\hspace{2cm}}.$

$3 \times 0 = \underline{\hspace{2cm}}$

2)

$4 \times 3 = \underline{\hspace{2cm}}$

$\text{So, } 4 \times -1 = \underline{\hspace{2cm}},$

$4 \times 2 = \underline{\hspace{2cm}}$

$\text{and } 4 \times -2 = \underline{\hspace{2cm}},$

$4 \times 1 = \underline{\hspace{2cm}}$

$\text{and } 4 \times -3 = \underline{\hspace{2cm}}.$

$4 \times 0 = \underline{\hspace{2cm}}$

3)

$-3 \times 3 = \underline{\hspace{2cm}}$

$\text{So, } -3 \times -1 = \underline{\hspace{2cm}},$

$-3 \times 2 = \underline{\hspace{2cm}}$

$\text{and } -3 \times -2 = \underline{\hspace{2cm}},$

$-3 \times 1 = \underline{\hspace{2cm}}$

$\text{and } -3 \times -3 = \underline{\hspace{2cm}}.$

$-3 \times 0 = \underline{\hspace{2cm}}$

4)

$-4 \times 3 = \underline{\hspace{2cm}}$

$\text{So, } -4 \times -1 = \underline{\hspace{2cm}},$

$-4 \times 2 = \underline{\hspace{2cm}}$

$\text{and } -4 \times -2 = \underline{\hspace{2cm}},$

$-4 \times 1 = \underline{\hspace{2cm}}$

$\text{and } -4 \times -3 = \underline{\hspace{2cm}}.$

$-4 \times 0 = \underline{\hspace{2cm}}$

SUPER-TRICKY! IS THERE ANYTHING THAT WE CAN SAY ABOUT THE PRODUCT OF A POSITIVE NUMBER AND A NEGATIVE NUMBER? IS THERE ANYTHING THAT WE CAN SAY ABOUT THE PRODUCT OF TWO NEGATIVE NUMBERS?