

4. Write the letter for each expression in the box under the category that correctly describes the number to which the expression simplifies.

* Show work on
separate paper *

Write the letter

| |
|---------------------|
| A. $16 \div (-2)$ |
| B. $9 \times (-4)$ |
| C. $-21 \div (-7)$ |
| D. $-5 \times (-8)$ |
| E. $-24 \div 3$ |
| F. -11×2 |

| Simplifies to a Negative Number | Simplifies to a Positive Number |
|------------------------------------|------------------------------------|
| A, B, E, F | C, D. |

5. Mariam says that the value of $n \div (-1)$ is always equal to the value of $-1 \times n$ for all values of n . Explain whether Mariam is correct or incorrect.

Show an example

$$n \div (-1) = -1 \times n$$

① put a number in for "n"

$$4 \div (-1) = (-1) \times 4$$

$$-4 = -4$$

② Try a different number

$$-3 \div (-1) = (-1) \times 3$$

$$3 = 3$$

Answer:

Mariam is correct.
For all values of
 n the answer
will be equal.