

DIVISION WITH NEGATIVE NUMBERS

↳ EXAMPLE 1:

a) $4 \cdot 6 =$

$\Rightarrow \frac{24}{6} =$ and $\frac{24}{4} =$

b) $-7 \cdot 3 =$

$\Rightarrow \frac{-21}{3} =$ and $\frac{-21}{7} =$

NOTE: $\frac{-21}{7} = \frac{21}{-7} = -\frac{21}{7}$

↳ EXAMPLE 2:

a) $\frac{-15}{5} =$ since $5() = -15$

b) $\frac{0}{-3} =$ since $-3() = 0$

c) $\frac{-3}{0}$ is _____

↳ example 3:

$$a) \frac{3(-7)}{-21} = \frac{\quad}{-21} =$$

$$b) \frac{4 + 6(-6)}{8 - 24}$$

↳ example 4:

$$a) (-4)^2 + 16 \div 2$$

$$b) (-3)^3 + 12 \div 4$$

↳ example 5:

a) Find the quotient of -30 and 5

b) Subtract -3 from the quotient
of 27 and -9

DIVISION WITH NEGATIVE NUMBERS practice problems

Evaluate:

1.
$$\frac{-20}{4}$$

2.
$$\frac{0}{-9}$$

3.
$$\frac{-9}{0}$$

4.
$$\frac{4(-6)}{-24}$$

5.
$$(-3)^2 + 21 \div 7$$

6.
$$(-2)^3 + 20 \div 4$$