

8.3 Exploring Integer Division

Sign Rules For Division:

$$(POSITIVE) \div (POSITIVE) = \underline{\hspace{2cm}}$$

$$(POSITIVE) \div (NEGATIVE) = \underline{\hspace{2cm}}$$

$$(NEGATIVE) \div (POSITIVE) = \underline{\hspace{2cm}}$$

$$(NEGATIVE) \div (NEGATIVE) = \underline{\hspace{2cm}}$$

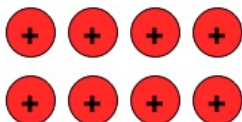
Quotient \rightarrow

Using Integer Chips to Divide 2 Integers

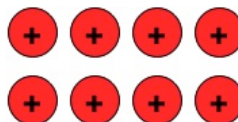
$$8 \div 2 = 4$$

Ex. 1 Draw a diagram to represent each division statement.

a) $8 \div 2 = 4$

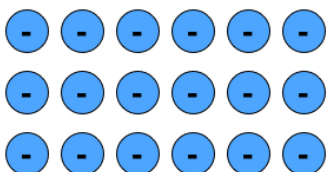


b) $8 \div 4 = 2$



Ex. 2 Determine each quotient, using integer chips.

a) $(-18) \div (-3) =$



b) $(-12) \div 4 =$

