

Multiplying and Dividing Negative Numbers

ANSWERS

1



Work out $-4 \times 13 \times -25$

$$-4 \times -25 = 100, \text{ and } 100 \times 13 = 1300$$

Answer 1300

2



Work out $(-6)^2 \div (-4)$

$$(-6)^2 = -6 \times -6 = 36, \text{ and } 36 \div -4 = -9$$

Answer -9

3



Work out

$$\frac{-18 \times 35}{-7 \times -15}$$

three negatives, so the answer is negative

$$\frac{35}{7} = 5, \text{ and } \frac{18 \times 5}{15} = 6$$

Answer -6

4



Two integers multiply to make -72 and add to make 1 .

Find the two numbers.

$$9 \times -8 = -72 \text{ and } 9 + (-8) = 1$$

Answer -8 and 9

5



Find the missing number.

$$-48 \div \square = -2 \times -3 \times 4$$

$$-2 \times -3 \times 4 = 24$$

$$-48 \div -2 = 24$$

Answer -2

6



Mia starts with a number and multiplies it by -2 . She multiplies the answer by -2 , and does this four times in all. She ends with 48 . Find her starting number.

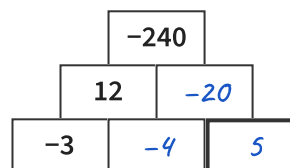
$$48 \div -2 = -24, \div -2 = 12, \div -2 = -6, \div -2 = 3$$

Answer 3

7



Each number is the two numbers below it multiplied together. Find the number marked ?



$$-240 \div 12 = -20 \text{ and } 12 \div -3 = -4$$

$$-20 \div -4 = 5$$

Answer 5

8



Find the missing number.

$$(-4)^2 \times \square \div (-8) = 10$$

$$(-4)^2 = 16, \text{ so } 16 \times \square = 10 \times -8 = -80$$

$$-80 \div 16 = -5$$

Answer -5