Maths

Multiply and divide directed numbers

Mr Lund



1. Complete the sequence of multiplications.

$$-3 \times 3 = -9$$

$$-3 \times 2 =$$

$$-3 \times 1 =$$

$$-3 \times 0 =$$

$$-3 \times -1 =$$

$$-3 \times -2 =$$

$$-3 \times -3 =$$

- 2. Work out the multiplications.
- a) -5×11
- b) -11×5
- c) -5×-11
- d) -11×-5
- 3. Fill in the blanks.

d)
$$\times -3 = 24$$



4. Use the fact that $-3 \times -4 = 12$ to fill in the blanks.

5. Complete the calculations.

- a) $15 \div -5$
- b) $-15 \div -5$
- c) $15 \div -3$
- d) $-15 \div 3$
- e) $-15 \div -3$

6. Arrange the cards in ascending order of value.

$$-2 \times -3$$

$$12 \times -2$$

7. Which card does not belong?

$$-12 \div -3$$

$$-2 \times 2$$



Answers



1. Complete the sequence of multiplications.

$$-3 \times 3 = -9$$

$$-3 \times 2 = -6$$

$$-3 \times 1 = -3$$

$$-3 \times 0 = 0$$

$$-3 \times -1 = 3$$

$$-3 \times -2 = 6$$

$$-3 \times -3 = 9$$

2. Work out the multiplications.

a)
$$-5 \times 11 = -55$$

b)
$$-11 \times 5 = -55$$

c)
$$-5 \times -11 = 55$$

d)
$$-11 \times -5 = 55$$

3. Fill in the blanks.

a)
$$-4 \times -3 = 12$$

b)
$$5 \times -2 = -10$$

c)
$$-7 \times 3 = -21$$

d)
$$-8 \times -3 = 24$$



4. Use the fact that $-3 \times -4 = 12$ to fill in the blanks.

$$12 \div -4 = -3$$

$$12 \div -3 = -4$$

5. Complete the calculations.

a)
$$15 \div -5 = -3$$

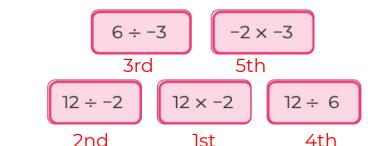
b)
$$-15 \div -5 = 3$$

c)
$$15 \div -3 = -5$$

d)
$$-15 \div 3 = -5$$

e)
$$-15 \div -3 = 5$$

6. Arrange the cards in ascending order of value.



7. Which card does not belong?

