
$1 \times 12$ and $12 \times 1$
$2 \times 6$ and $6 \times 2$
$3 \times 4$ and $4 \times 3$

Factors are 1 and 12
2 and 6 3 and 4

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$3 \times 7=21 \quad 7 \times 3=21$
Multiplication is commutative
$21 \div 7=3 \quad 21 \div 3=7$
Division is not commutative

Multiplication and division are inverse operations

| array | A set of objects arranged in order. Arrays make counting easier. |
| :---: | :---: |
| multiply times | Repeatedly adding the same amount the amount increases |
| multiple | The result of multiplying a number by a whole number |
| factors | Numbers that we multiply together to get a product |
| product | The answer when two or more factors are multiplied together |
| divide | Split into equal parts or groups |
| remainder | An amount left over after division |
| commutative | Changing the order of the calculation gives the same result |
| inverse | The reverse of multiplication is the inverse of division |



$$
96 \div 3=32
$$



