

## Review Arithmetic Operations

### Addition

- combines two or more numbers to find a total
- symbol:  $+$
- says: plus
- an answer is called a sum
- is commutative, which means the order of the values can change

### Subtraction

- takes one number away from another
- symbol:  $-$
- says: minus
- an answer is called a difference
- is not commutative, which means the order cannot be changed

### Multiplication

- combines groups to find a total
- symbol:  $\times$  or  $\cdot$  or  $\cdot$
- says: times
- an answer is called a product
- is commutative, which means the order of the values can change

### Division

- takes a number and separates it into equal-sized groups
- symbol:  $\div$  or  $:$  or  $\overline{)}$
- says: divided by
- an answer is called a quotient
- is not commutative, which means that the order cannot be changed

### Inverse Operations

- means that one operation can undo another operation
- subtracting can reverse or undo adding
- dividing can undo multiplying

### Fact Families

- equations can be divided into groups
- in each group, the values or numbers can change their order
- e.g.  $2 + 3 = 5$ , so  $5 - 2 = 3$  and  $5 - 3 = 2$
- e.g.  $2 \times 3 = 6$ , so  $6 \div 2 = 3$  and  $6 \div 3 = 2$