

Verbal Expressions

Often we need to translate words into algebraic expressions. We use key words to figure out the operation and order that is needed.

1. 3 more than a number x
 $x+3$ or $3+x$

2. 6 less than y
 $y-6$ *switch order*

3. The product of a number, d , and 3
 $3d$

4. 3 divided into 9
 $9 \div 3$

Key Words:

+	Added to, Plus, Sum, More than
-	Subtracted from, minus, difference, less than, take away, taken from
x	times, multiplied by, product, groups of
÷	divided by, divided into, quotient

* Less than, taken from, divided into - switch order!

5 more than 3 times a number

$$5 + 3a$$

9 less than the quotient of a number y and 3

switch

$$y \div 3 - 9$$

Homework: WB p. 266 #s 11-29 odd

$$3a - b$$
$$3(4) - 6$$
$$12 - 6$$
$$\textcircled{6}$$

$$\frac{8}{4} = 2$$

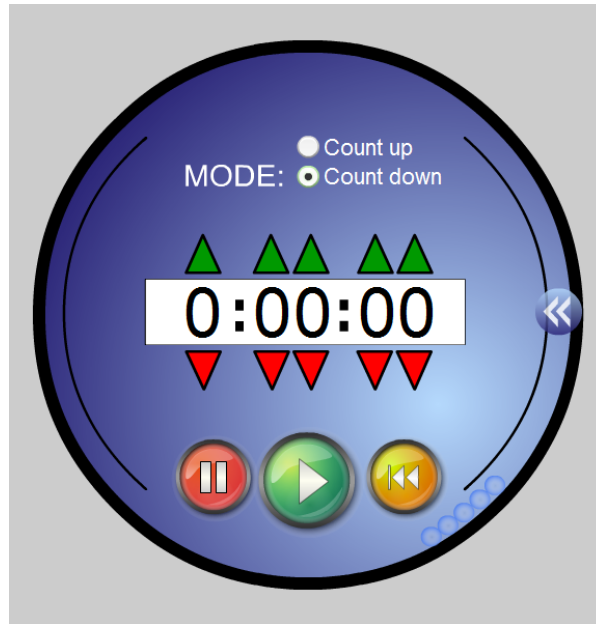
$$\frac{1}{2} \left(\frac{1}{9} \right) + 2$$
$$\frac{1}{18} + 2 = 2 \frac{1}{18}$$

$$12(3) + 5 = 36 + 5 = 41$$
$$36 + 5 = \textcircled{41}$$

a. $2w + 2w$

b. $2(7) + 2(5) = 14 + 10 = 24$

$$24 \text{ ft}$$



Worksheet

① $x - 5$

② $3b - 5$

③ $4 + 8n$

④ $y - (3y + 5)$

⑤ b

⑥ c

⑦ $25h$

⑧ $c - 11g$

⑨ No, subtraction is not commutative.

$$3^3 = 3 \cdot 3 \cdot 3 = 27$$

$$3^4 = 3 \cdot 3 \cdot 3 \cdot 3 = 81$$