

Reading and Understanding Expressions in Which
Letters Stand for Unknown Numbers

Connect

What is an expression again?

expression

$$2+7$$

$$(5^2-6) \times 3$$

equation

$$2+7=9$$

$$(5^2-6) \times 3 = 57$$

I do

6 less than an unknown value

$$e^3 + 9$$

I do

1100

Ways to show multiplication in these kinds of expressions

$$\begin{array}{cc} \cancel{3 \times 5} & \cancel{3 \times j} \\ 3 \cdot 5 & 3 \cdot j \\ (3)(5) & (3)(j) \\ 3(5) & 3(j) \end{array} \quad 3j$$

Showing division in these kinds of problem

$$\begin{array}{cccc} 1 \div 2 = \frac{1}{2} & 3 \div x & \frac{3}{x} & \frac{9}{6} \\ 3 \div 5 = \frac{3}{5} & & & \end{array}$$

I do

"Three times an unknown value, decreased by 10

$$4 + 6a$$

We do

Ways to show multiplication in these kinds of expressions

$$5 \times a$$

$$5a$$

$$5(a)$$

$$5 \cdot a$$

$$(5)(a)$$

} 5 times unknown number

Showing division in these kinds of problems

$$s \div 4$$

$$\frac{s}{4}$$

We do

25 more than five times an unknown value

12 less than the quotient of 10 and an unknown value

**You do together
on whiteboard**

5 less than an unknown value
raised to the 7th power

expression

$7k - 9$

words

**You do alone on
index card**

100 decreased by the quotient of an
unknown number and 2

expression

$9 + h^2$

words