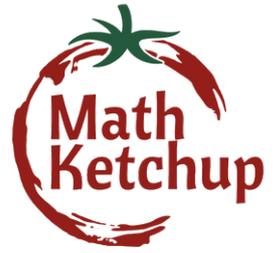


# Creating Algebraic Expressions

Level 1 - Create algebraic expressions from the word expression



## Answers:

### Level 1

<b>a)</b> $a + c$	<b>j)</b> $n^2 - m$
<b>b)</b> $p + q + r$	<b>k)</b> $\frac{x+y}{2}$
<b>c)</b> $ab$	<b>l)</b> $\frac{ab}{2}$
<b>d)</b> $r + n^2$	<b>m)</b> $\frac{x}{y}$
<b>e)</b> $(r + n)^2$	<b>n)</b> $xy^3$
<b>f)</b> $r^2 + n^2$	<b>o)</b> $\frac{a+b}{n}$
<b>g)</b> $2a + b$	<b>p)</b> $(ab)^2$
<b>h)</b> $r + \frac{1}{r}$	<b>q)</b> $\sqrt{a + b}$
<b>i)</b> $x - y$	<b>r)</b> $2 + \sqrt[3]{x}$

<b>m)</b> $\frac{x}{y}$
<b>n)</b> $xy^3$
<b>o)</b> $\frac{a+b}{n}$
<b>p)</b> $(ab)^2$
<b>q)</b> $\sqrt{a + b}$
<b>r)</b> $2 + \sqrt[3]{x}$

# Creating More Algebraic Expressions



Level 1 - Create algebraic expressions from simple words and diagrams

Level 2 - Create expressions from more complex diagrams and statements

## Answers:

### Level 1

a) $n + 4$	j) $x - y$
b) $r - 5$	k) $-k + n$
c) $2x$	l) $(-n)^2$
d) $n - 3$	m) $\frac{3a}{b}$
e) $\frac{x}{8}$	n) $f - n^2$
f) $n^2$	o) $h + 3k$
g) $\frac{m}{n}$	p) $m + n + c - r$
h) $q + p$	q) $\frac{x+y}{n}$
i) $xy$	r) $\frac{1}{y} - \frac{1}{x}$

### Level 2 (part 2)

a) $20b + 25g$
b) $3p + 2h + d$
c) $3 + 0.5x$
d) $4c + 2m$
e) $3j + 2m$
f) $\frac{x+y+z}{3}$
g) $2b + 4c + 4h + 2s$
h) $a + 2b + 3c$

### Level 2

Shape	Perimeter	Area
a)	$4x$	$x^2$
b)	$2(x + y)$	$xy$
c)	$8x$	$3xy$
d)	$2x + y$	$\frac{x^2}{2}$
e)	$2x + 2y$	$x^2$
f)	$6x$	$2x^2$

Shape	Perimeter	Area
g)	$10x$	$5x^2$
h)	$8x + y$	$5x^2$
i)	$10x$	$3xy$
j)	$6x$	$\frac{3xy}{2}$
k)	$6x$	$3xz$
l)	$8x + \pi$	$(6 - \frac{\pi}{2})x^2$