Creating Algebraic Expressions

Level 1 - Create algebraic expressions from the word expression

Answers:

Level 1

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

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

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

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)	$8x+\pi$	$(6-\frac{\pi}{2})\,x^2$

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) $a+2b+3c$