

4. Simplify the expressions:

$x \times 2$

$x \times 3$

$x \times 4$

$x \times 5$

$x \times 2 \times 2$

$x \times 3 \times 2$

$x \times 4 \times 2$

$x \times 5 \times 2$

$2x \times 2$

$2x \times 3$

$2x \times 4$

$2x \times 5$

$x \times 2x$

$x \times 3x$

$x \times 4x$

$x \times 5x$

$x \times 2x \times 2$

$x \times 3x \times 2$

$x \times 4x \times 2$

$x \times 5x \times 2$

$2x \times 2x \times 2$

$2x \times 3x \times 2$

$2x \times 4x \times 2$

$2x \times 5x \times 2$

5. Simplify the expressions:

$1+1$ $1+1+1$ $1+1+1+1$ $1+1+1+1+1$

$x+1+1$ $x+1+1+1$ $x+1+1+1+1$ $x+1+1+1+1+1$

$x+x$ $x+x+x$ $x+x+x+x$ $x+x+x+x+x$

$x+x$ $x+x+1$ $x+x+1+1$ $x+x+1+1+1$

$2x+x$ $2x+x+2x$ $2x+x+2x+x$ $2x+x+2x+x+2x$

$x+2x$ $2x+x+2$ $2x+x+2+1$ $2x+x+2+1+1$

$1+2x+x$ $1+2x+x+2+2x$ $1+2x+2+x+2x+x$

$2x+1+x+2x+2+x+2+2x$ $2+1+x+2+2+x+2x+2+2x$

$1+1+y$ $1+1+y+1$ $1+1+y+1+1$

$x+1+y+1$

$x+1+y+1+1$

$x+1+1+y+1+1$

$x+y+x$

$x+y+x+x$

$x+x+y+x+x$

$x+y+y+x$

$x+y+x+1$

$x+y+x+1+1$

$2x+y+x+2x$

$2x+y+x+2x+x$

$2x+y+x+2x+y+x+2x$

$x+y+2x$

$2x+y+x+2$

$2x+x+y+2+1$

$1+2x+2y+x$

$1+2x+y+x+2x+3y+x$

$1+2x+x+2y+2+y+2x$

$2x+1+y+2x+2+z+2+2x$

$2+1+y+2+2+z+2z+2+2y$

$1+1+y^2$

$1+1+y^2+1$

$1+y^2+y+y^2+1$

$$y^2+1+y+1$$

$$y^2+1+y+1+1$$

$$x^2+1+x^2+y+1+1$$

$$x+x^2+x$$

$$x+x^2+x+x$$

$$x+x^2+y+x^2+x$$

$$x+y+y+x^2$$

$$x+y+x^2+1$$

$$x+x^2+x+x^2+1$$

$$2x+y-x+x^2$$

$$2x^2+y+x+2x^2-x$$

$$2x+y-2x^2+2x+y+2x^2+2x$$

$$x+y+y+2y-x-y+2x^2$$

$$2x^2+y+2x^2+2-x^2$$

$$1+2x+2y-x+x^2+y^2$$

$$1+2x+x+2y+2+y+2x-x+x^2+y^2$$

$$1+2x+y+x+2x+3y+x-x+x^2+y^2$$

$$2x+1+y+2x+2+z+2+2x-x+x^2+y^2$$

6. Work out the products

$$1 \times 1$$

$$1 \times 2$$

$$1 \times 3$$

$$1 \times 4$$

$(1+1) \times 1$

$(1+1) \times 2$

$(1+1) \times 3$

$(1+1) \times 4$

$1 \times 1 + 1 \times 1$

$1 \times 2 + 1 \times 2$

$1 \times 3 + 1 \times 3$

$1 \times 4 + 1 \times 4$

$(1+2) \times 1$

$(1+2) \times 2$

$(1+2) \times 3$

$(1+2) \times 4$

$1 \times 1 + 2 \times 1$

$1 \times 2 + 2 \times 2$

$1 \times 3 + 2 \times 3$

$1 \times 4 + 2 \times 4$

$(1+3) \times 1$

$(1+3) \times 2$

$(1+3) \times 3$

$(1+3) \times 4$

$1 \times 1 + 3 \times 1$

$1 \times 2 + 3 \times 2$

$1 \times 3 + 3 \times 3$

$1 \times 4 + 3 \times 4$

$(1+4) \times 1$

$(1+4) \times 2$

$(1+4) \times 3$

$(1+4) \times 4$

$1 \times 1 + 4 \times 1$

$1 \times 2 + 4 \times 2$

$1 \times 3 + 4 \times 3$

$1 \times 4 + 4 \times 4$

$(x+1) \times 2$

$(x+2) \times 2$

$(x+3) \times 2$

$$(2x+1) \times 2$$

$$(2x+2) \times 2$$

$$(2x+3) \times 2$$

$$(x+1) \times x$$

$$(x+2) \times x$$

$$(x+3) \times x$$

$$(2x+1) \times x$$

$$(2x+2) \times x$$

$$(2x+3) \times x$$

$$(x+1) \times 2x$$

$$(x+2) \times 2x$$

$$(x+3) \times 2x$$

$$(2x+1) \times 2x$$

$$(2x+2) \times 2x$$

$$(2x+3) \times 2x$$