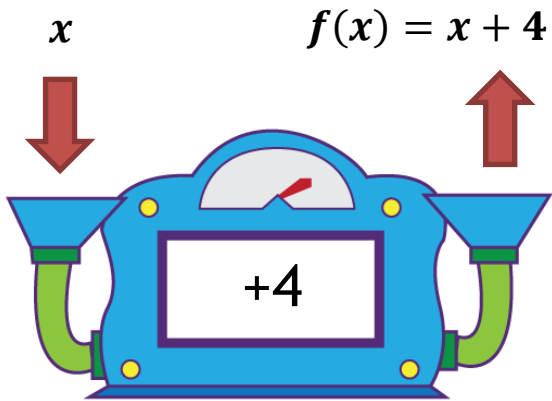


Function notation



Example:

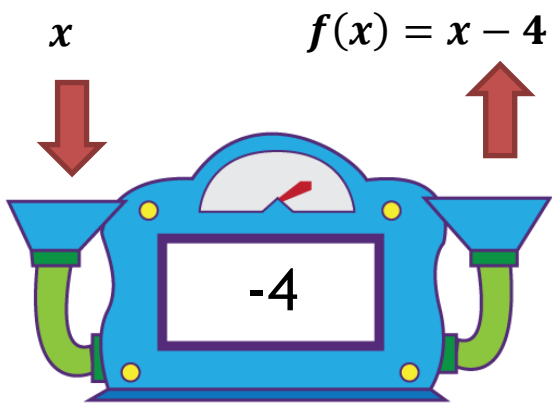
$$f(20) = 20 + 4 = 24$$

Questions:

$$f(8) = 8 + 4 = \dots\dots$$

$$f(10) = \dots\dots + 4 = \dots\dots$$

$$f(15) = \dots\dots = \dots\dots$$



Example:

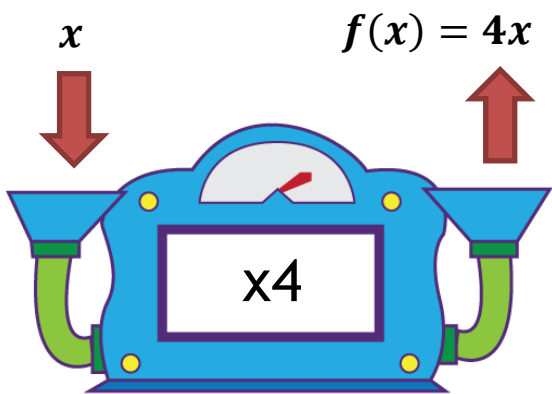
$$f(20) = 20 - 4 = 16$$

Questions:

$$f(8) = 8 - 4 = \dots\dots$$

$$f(10) = \dots\dots - 4 = \dots\dots$$

$$f(15) = \dots\dots = \dots\dots$$



Example:

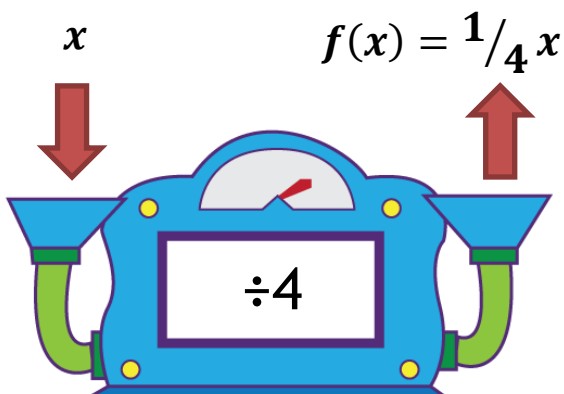
$$f(20) = 20 \times 4 = 80$$

Questions:

$$f(8) = 8 \times 4 = \dots\dots$$

$$f(10) = \dots\dots \times 4 = \dots\dots$$

$$f(15) = \dots\dots = \dots\dots$$



Example:

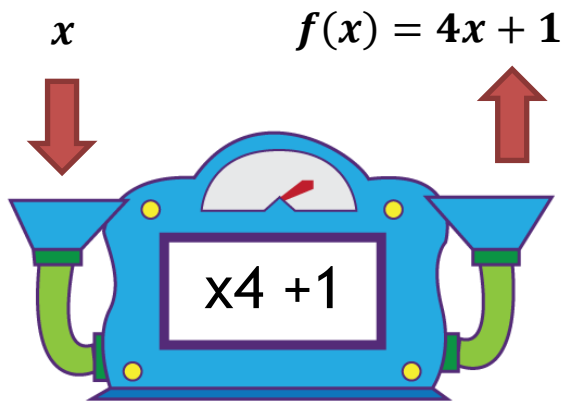
$$f(20) = 20 \div 4 = 5$$

Questions:

$$f(8) = 8 \div 4 = \dots\dots$$

$$f(10) = \dots\dots \div 4 = \dots\dots$$

$$f(15) = \dots\dots = \dots\dots$$



Example:

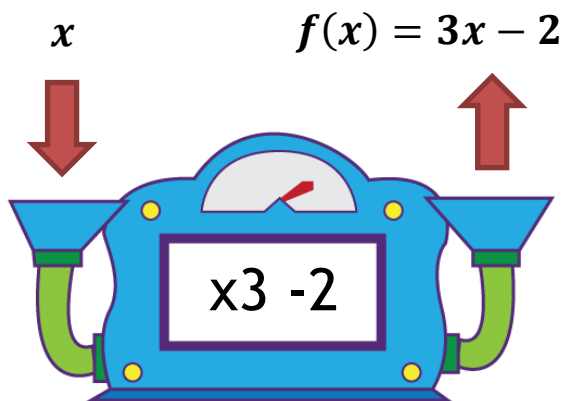
$$f(20) = 20 \times 4 + 1 = 81$$

Questions:

$$f(8) = 8 \times 4 + 1 = \dots\dots\dots$$

$$f(10) = \dots\dots\dots = \dots\dots\dots$$

$$f(15) = \dots\dots\dots = \dots\dots\dots$$



Example:

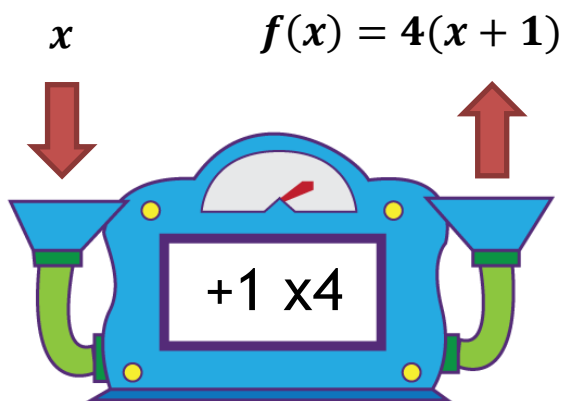
$$f(20) = 20 \times 3 - 2 = 58$$

Questions:

$$f(8) = 8 \times 3 - 2 = \dots\dots\dots$$

$$f(10) = \dots\dots\dots = \dots\dots\dots$$

$$f(15) = \dots\dots\dots = \dots\dots\dots$$



Example:

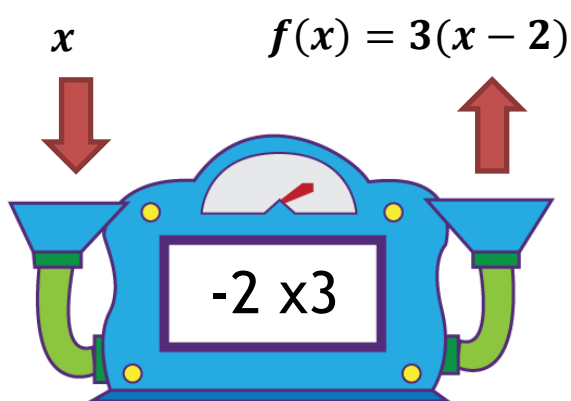
$$f(20) = (20+1) \times 4 = 84$$

Questions:

$$f(8) = (8+1) \times 4 = \dots\dots\dots$$

$$f(10) = \dots\dots\dots = \dots\dots\dots$$

$$f(15) = \dots\dots\dots = \dots\dots\dots$$



Example:

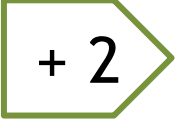


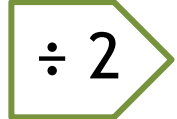
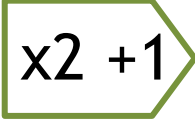
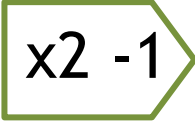
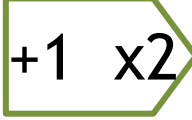
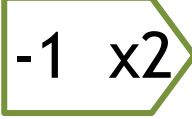
$$f(20) = (20-2) \times 3 = 54$$

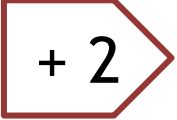


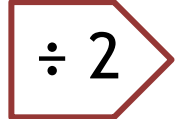
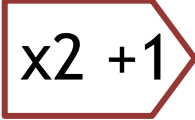
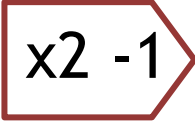
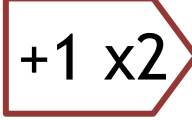
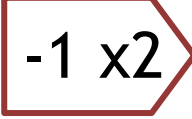
Questions:

$$f(8) = (8-2) \times 4 = \dots\dots\dots$$

$$f(10) = \dots\dots\dots = \dots\dots\dots$$

$$f(15) = \dots\dots\dots = \dots\dots\dots$$

$x \rightarrow$ 	$f(x) = x - 2$	$f(10) = 22$
$x \rightarrow$ 	$f(x) = 2x + 1$	$f(10) = 19$
$x \rightarrow$ 	$f(x) = 2x$	$f(10) = 12$
$x \rightarrow$ 	$f(x) = 2(x + 1)$	$f(10) = 5$
$x \rightarrow$ 	$f(x) = 2x - 1$	$f(10) = 20$
$x \rightarrow$ 	$f(x) = \frac{1}{2}x$	$f(10) = 18$
$x \rightarrow$ 	$f(x) = 2(x - 1)$	$f(10) = 21$
$x \rightarrow$ 	$f(x) = x + 2$	$f(10) = 8$

$x \rightarrow$ 	$f(x) = x + 2$	$f(10) = 12$
$x \rightarrow$ 	$f(x) = 2x$	$f(10) = 20$
$x \rightarrow$ 	$f(x) = x - 2$	$f(10) = 8$
$x \rightarrow$ 	$f(x) = \frac{1}{2}x$	$f(10) = 5$
$x \rightarrow$ 	$f(x) = 2x + 1$	$f(10) = 21$
$x \rightarrow$ 	$f(x) = 2x - 1$	$f(10) = 19$
$x \rightarrow$ 	$f(x) = 2(x + 1)$	$f(10) = 22$
$x \rightarrow$ 	$f(x) = 2(x - 1)$	$f(10) = 18$