Skill 22.2 Substituting into expressions involving x

Q. If $y = 4$, find the value of: $3 \times y$

A. $3 \times y$
$= 3 \times 4$
$= 12$

Substitute y with 4.
Multiply 3 by 4.

Q. If $s = 2$ and $t = 3$, find the value of: $s \times t \times 4$

A. $s \times t \times 4$
$= 2 \times 3 \times 4$
$= 6 \times 4$
$= 24$

Substitute s with 2 and t with 3.
Working from left to right,
multiply 2 by 3.
Then multiply 6 by 4.

a) If $t = 8$, find the value of: $2 \times t$

$= 2 \times 8$

$= 16$

b) If $h = 7$, find the value of: $3 \times h$

c) If $d = 6$, find the value of: $d \times d$

d) If $a = 5$, find the value of: $a \times a \times 4$

e) If $w = 3$ and $x = 4$, find the value of: $2 \times w \times x$

f) If $j = 3$ and $k = 7$, find the value of: $3 \times j \times k$

g) If $y = 10$, find the value of: $y \times y \times y$

h) If $s = 2$ and $t = 8$, find the value of: $s \times t \times 1$

i) If $m = 4$ and $n = 6$, find the value of: $5 \times m \times n$