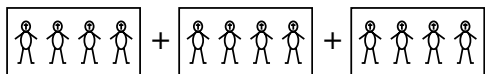


## MULTIPLICATION BY 3

**A** A number multiplied by 3 means 3 lots of the number

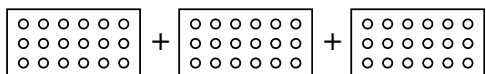
**Examples**

4 multiplied by 3



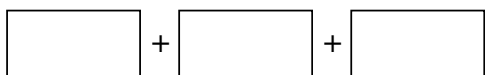
$$4 \times 3 = 12$$

18 multiplied by 3



$$18 \times 3 = 54$$

0 multiplied by 3



$$0 \times 3 = 0$$

**B Examples**

$$\begin{array}{r} 32 \\ \times 3 \\ \hline \end{array}$$

First step

$$\begin{array}{r} 32 \\ \times 3 \\ \hline 96 \end{array} \quad 2 \times 3 = 6$$

Next step

$$\begin{array}{r} 32 \\ \times 3 \\ \hline 96 \end{array} \quad 3 \times 3 = 9$$

$$176 \times 3$$

First step

$$\begin{array}{r} 176 \\ \times 3 \\ \hline \end{array}$$

Next step

$$\begin{array}{r} 21 \\ 176 \\ \times 3 \\ \hline 528 \end{array}$$

$$\begin{array}{r} 548 \\ \times 3 \\ \hline \end{array}$$

First step

$$\begin{array}{r} 2 \\ 548 \\ \times 3 \\ \hline 1644 \end{array} \quad 8 \times 3 = 24$$

Next step

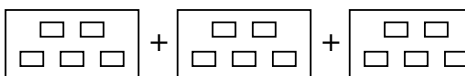
$$\begin{array}{r} 12 \\ 548 \\ \times 3 \\ \hline 1644 \end{array} \quad \begin{array}{l} 4 \times 3 = 12 \\ +2 = 14 \end{array}$$

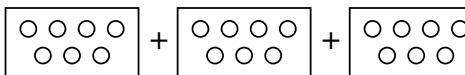
$$\begin{array}{r} 12 \\ 548 \\ \times 3 \\ \hline 1644 \end{array} \quad \begin{array}{l} 5 \times 3 = 15 \\ +1 = 16 \end{array}$$

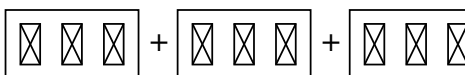


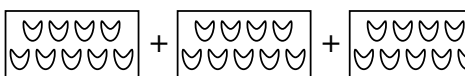
## MULTIPLICATION BY 3

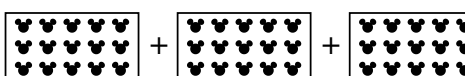
1. Write as a multiplication and find the answer

(a) 

(b) 

(c) 

(d) 

(e) 

2. (a)  $\begin{array}{r} 22 \\ \times 3 \\ \hline \end{array}$  (f)  $\begin{array}{r} 81 \\ \times 3 \\ \hline \end{array}$  (k)  $\begin{array}{r} 44 \\ \times 3 \\ \hline \end{array}$
- (b)  $\begin{array}{r} 30 \\ \times 3 \\ \hline \end{array}$  (g)  $\begin{array}{r} 53 \\ \times 3 \\ \hline \end{array}$  (l)  $\begin{array}{r} 19 \\ \times 3 \\ \hline \end{array}$
- (c)  $\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$  (h)  $\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$  (m)  $\begin{array}{r} 70 \\ \times 3 \\ \hline \end{array}$
- (d)  $\begin{array}{r} 42 \\ \times 3 \\ \hline \end{array}$  (i)  $\begin{array}{r} 25 \\ \times 3 \\ \hline \end{array}$  (n)  $\begin{array}{r} 38 \\ \times 3 \\ \hline \end{array}$
- (e)  $\begin{array}{r} 63 \\ \times 3 \\ \hline \end{array}$  (j)  $\begin{array}{r} 36 \\ \times 3 \\ \hline \end{array}$  (o)  $\begin{array}{r} 65 \\ \times 3 \\ \hline \end{array}$

3. (a)  $93 \times 3$  (f)  $69 \times 3$  (k)  $160 \times 3$
- (b)  $117 \times 3$  (g)  $224 \times 3$  (l)  $359 \times 3$
- (c)  $282 \times 3$  (h)  $406 \times 3$  (m)  $685 \times 3$
- (d)  $78 \times 3$  (i)  $555 \times 3$  (n)  $1874 \times 3$
- (e)  $345 \times 3$  (j)  $1218 \times 3$  (o)  $7092 \times 3$

## MULTIPLICATION BY 4

**A** Examples

$$\begin{array}{r} 52 \\ \times 4 \\ \hline \end{array}$$

First step

$$\begin{array}{r} 52 \\ \times 4 \\ \hline 8 \end{array} \quad 2 \times 4 = 8$$

Next step

$$\begin{array}{r} 52 \\ \times 4 \\ \hline 208 \end{array} \quad 5 \times 4 = 20$$

$$\begin{array}{r} 186 \\ \times 4 \\ \hline \end{array}$$

First step

$$\begin{array}{r} 186 \\ \times 4 \\ \hline 4 \end{array} \quad 6 \times 4 = 24$$

Next step

$$\begin{array}{r} 186 \\ \times 4 \\ \hline 44 \end{array} \quad \begin{array}{l} 8 \times 4 = 32 \\ + 2 = 34 \end{array}$$

$$\begin{array}{r} 186 \\ \times 4 \\ \hline 744 \end{array} \quad \begin{array}{l} 1 \times 4 = 4 \\ + 3 = 7 \end{array}$$

**B** Examples

$$704 \times 4$$

First step

$$\begin{array}{r} 704 \\ \times 4 \\ \hline \end{array}$$

Next step

$$\begin{array}{r} 704 \\ \times 4 \\ \hline 2816 \end{array}$$

(Remember  $0 \times 4 = 0$ )

$$2539 \times 4$$

First step

$$\begin{array}{r} 2539 \\ \times 4 \\ \hline \end{array}$$

Next step

$$\begin{array}{r} 2539 \\ \times 4 \\ \hline 10156 \end{array}$$

LEARN  
4 TIMES  
TABLE

## MULTIPLICATION BY 4

1. (a)  $\begin{array}{r} 21 \\ \times 4 \\ \hline \end{array}$  (f)  $\begin{array}{r} 27 \\ \times 4 \\ \hline \end{array}$  (k)  $\begin{array}{r} 90 \\ \times 4 \\ \hline \end{array}$
- (b)  $\begin{array}{r} 43 \\ \times 4 \\ \hline \end{array}$  (g)  $\begin{array}{r} 66 \\ \times 4 \\ \hline \end{array}$  (l)  $\begin{array}{r} 83 \\ \times 4 \\ \hline \end{array}$
- (c)  $\begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$  (h)  $\begin{array}{r} 34 \\ \times 4 \\ \hline \end{array}$  (m)  $\begin{array}{r} 48 \\ \times 4 \\ \hline \end{array}$
- (d)  $\begin{array}{r} 50 \\ \times 4 \\ \hline \end{array}$  (i)  $\begin{array}{r} 19 \\ \times 4 \\ \hline \end{array}$  (n)  $\begin{array}{r} 71 \\ \times 4 \\ \hline \end{array}$
- (e)  $\begin{array}{r} 32 \\ \times 4 \\ \hline \end{array}$  (j)  $\begin{array}{r} 75 \\ \times 4 \\ \hline \end{array}$  (o)  $\begin{array}{r} 59 \\ \times 4 \\ \hline \end{array}$

2. (a)  $\begin{array}{r} 102 \\ \times 4 \\ \hline \end{array}$  (f)  $\begin{array}{r} 291 \\ \times 4 \\ \hline \end{array}$  (k)  $\begin{array}{r} 1425 \\ \times 4 \\ \hline \end{array}$
- (b)  $\begin{array}{r} 323 \\ \times 4 \\ \hline \end{array}$  (g)  $\begin{array}{r} 438 \\ \times 4 \\ \hline \end{array}$  (l)  $\begin{array}{r} 99 \\ \times 4 \\ \hline \end{array}$
- (c)  $\begin{array}{r} 215 \\ \times 4 \\ \hline \end{array}$  (h)  $\begin{array}{r} 606 \\ \times 4 \\ \hline \end{array}$  (m)  $\begin{array}{r} 176 \\ \times 4 \\ \hline \end{array}$
- (d)  $\begin{array}{r} 444 \\ \times 4 \\ \hline \end{array}$  (i)  $\begin{array}{r} 283 \\ \times 4 \\ \hline \end{array}$  (n)  $\begin{array}{r} 1550 \\ \times 4 \\ \hline \end{array}$
- (e)  $\begin{array}{r} 127 \\ \times 4 \\ \hline \end{array}$  (j)  $\begin{array}{r} 747 \\ \times 4 \\ \hline \end{array}$  (o)  $\begin{array}{r} 836 \\ \times 4 \\ \hline \end{array}$

3. (a)  $74 \times 4$  (f)  $368 \times 4$
- (b)  $532 \times 4$  (g)  $497 \times 4$
- (c)  $95 \times 4$  (h)  $3535 \times 4$
- (d)  $809 \times 4$  (i)  $691 \times 4$
- (e)  $1673 \times 4$  (j)  $2456 \times 4$