

# Expanded Form (SI) (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

216 273

113 746

665 732

190 572

204 091

878 258

452 795

284 920

637 658

645 384

## Expanded Form (SI) (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Write each number in expanded form.

$$\begin{aligned} 216\,273 &= 200\,000 + 10\,000 + 6000 + 200 + 70 + 3 \\ &= (2 \times 100\,000) + (1 \times 10\,000) + (6 \times 1000) + (2 \times 100) + (7 \times 10) + (3 \times 1) \\ &= (2 \times 10^5) + (1 \times 10^4) + (6 \times 10^3) + (2 \times 10^2) + (7 \times 10^1) + (3 \times 10^0) \end{aligned}$$

$$\begin{aligned} 113\,746 &= 100\,000 + 10\,000 + 3000 + 700 + 40 + 6 \\ &= (1 \times 100\,000) + (1 \times 10\,000) + (3 \times 1000) + (7 \times 100) + (4 \times 10) + (6 \times 1) \\ &= (1 \times 10^5) + (1 \times 10^4) + (3 \times 10^3) + (7 \times 10^2) + (4 \times 10^1) + (6 \times 10^0) \end{aligned}$$

$$\begin{aligned} 665\,732 &= 600\,000 + 60\,000 + 5000 + 700 + 30 + 2 \\ &= (6 \times 100\,000) + (6 \times 10\,000) + (5 \times 1000) + (7 \times 100) + (3 \times 10) + (2 \times 1) \\ &= (6 \times 10^5) + (6 \times 10^4) + (5 \times 10^3) + (7 \times 10^2) + (3 \times 10^1) + (2 \times 10^0) \end{aligned}$$

$$\begin{aligned} 190\,572 &= 100\,000 + 90\,000 + 500 + 70 + 2 \\ &= (1 \times 100\,000) + (9 \times 10\,000) + (5 \times 100) + (7 \times 10) + (2 \times 1) \\ &= (1 \times 10^5) + (9 \times 10^4) + (5 \times 10^2) + (7 \times 10^1) + (2 \times 10^0) \end{aligned}$$

$$\begin{aligned} 204\,091 &= 200\,000 + 4000 + 90 + 1 \\ &= (2 \times 100\,000) + (4 \times 1000) + (9 \times 10) + (1 \times 1) \\ &= (2 \times 10^5) + (4 \times 10^3) + (9 \times 10^1) + (1 \times 10^0) \end{aligned}$$

$$\begin{aligned} 878\,258 &= 800\,000 + 70\,000 + 8000 + 200 + 50 + 8 \\ &= (8 \times 100\,000) + (7 \times 10\,000) + (8 \times 1000) + (2 \times 100) + (5 \times 10) + (8 \times 1) \\ &= (8 \times 10^5) + (7 \times 10^4) + (8 \times 10^3) + (2 \times 10^2) + (5 \times 10^1) + (8 \times 10^0) \end{aligned}$$

$$\begin{aligned} 452\,795 &= 400\,000 + 50\,000 + 2000 + 700 + 90 + 5 \\ &= (4 \times 100\,000) + (5 \times 10\,000) + (2 \times 1000) + (7 \times 100) + (9 \times 10) + (5 \times 1) \\ &= (4 \times 10^5) + (5 \times 10^4) + (2 \times 10^3) + (7 \times 10^2) + (9 \times 10^1) + (5 \times 10^0) \end{aligned}$$

$$\begin{aligned} 284\,920 &= 200\,000 + 80\,000 + 4000 + 900 + 20 \\ &= (2 \times 100\,000) + (8 \times 10\,000) + (4 \times 1000) + (9 \times 100) + (2 \times 10) \\ &= (2 \times 10^5) + (8 \times 10^4) + (4 \times 10^3) + (9 \times 10^2) + (2 \times 10^1) \end{aligned}$$

$$\begin{aligned} 637\,658 &= 600\,000 + 30\,000 + 7000 + 600 + 50 + 8 \\ &= (6 \times 100\,000) + (3 \times 10\,000) + (7 \times 1000) + (6 \times 100) + (5 \times 10) + (8 \times 1) \\ &= (6 \times 10^5) + (3 \times 10^4) + (7 \times 10^3) + (6 \times 10^2) + (5 \times 10^1) + (8 \times 10^0) \end{aligned}$$

$$\begin{aligned} 645\,384 &= 600\,000 + 40\,000 + 5000 + 300 + 80 + 4 \\ &= (6 \times 100\,000) + (4 \times 10\,000) + (5 \times 1000) + (3 \times 100) + (8 \times 10) + (4 \times 1) \\ &= (6 \times 10^5) + (4 \times 10^4) + (5 \times 10^3) + (3 \times 10^2) + (8 \times 10^1) + (4 \times 10^0) \end{aligned}$$