

Expanded Form

T3L1S1

Write each decimal in expanded form.

1) 172.143 $(1 \times 10^2) + (7 \times 10^1) + (2 \times 10^0) + (1 \times 10^{-1}) + (4 \times 10^{-2}) + (3 \times 10^{-3})$

2) 9.75 _____

3) 86.219 _____

4) 514.3 _____

5) 930.62 _____

6) 25.4 _____

7) 8.1 _____

8) 7.965 _____

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1) 172.143 $(1 \times 10^2) + (7 \times 10^1) + (2 \times 10^0) + (1 \times 10^{-1}) + (4 \times 10^{-2}) + (3 \times 10^{-3})$

2) 9.75 $(9 \times 10^0) + (7 \times 10^{-1}) + (5 \times 10^{-2})$

3) 86.219 $(8 \times 10^1) + (6 \times 10^0) + (2 \times 10^{-1}) + (1 \times 10^{-2}) + (9 \times 10^{-3})$

4) 514.3 $(5 \times 10^2) + (1 \times 10^1) + (4 \times 10^0) + (3 \times 10^{-1})$

5) 930.62 $(9 \times 10^2) + (3 \times 10^1) + (0 \times 10^0) + (6 \times 10^{-1}) + (2 \times 10^{-2})$

6) 25.4 $(2 \times 10^1) + (5 \times 10^0) + (4 \times 10^{-1})$

7) 8.1 $(8 \times 10^0) + (1 \times 10^{-1})$

8) 7.965 $(7 \times 10^0) + (9 \times 10^{-1}) + (6 \times 10^{-2}) + (5 \times 10^{-3})$

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