

Decimal numbers from expanded notation

Grade 6 Place Value Worksheet

Write each number in normal form.

Example: $42.89 = 4 \times 10 + 2 \times 1 + 8 \times 0.1 + 9 \times 0.01$

- 1) _____ $3 \times 10000 + 4 \times 1000 + 9 \times 100 + 8 \times 10 + 9 \times 1 + 1 \times 0.1$
- 2) _____ $7 \times 10000 + 3 \times 1000 + 1 \times 100 + 2 \times 10 + 6 \times 1 + 2 \times 0.1$
- 3) _____ $5 \times 100 + 4 \times 10 + 9 \times 1 + 4 \times 0.1 + 7 \times 0.01$
- 4) _____ $3 \times 1000 + 6 \times 100 + 7 \times 10 + 3 \times 1 + 8 \times 0.1 + 5 \times 0.01$
- 5) _____ $4 \times 100 + 9 \times 10 + 3 \times 1 + 2 \times 0.1 + 9 \times 0.01 + 7 \times 0.001$
- 6) _____ $7 \times 100 + 9 \times 10 + 4 \times 1 + 7 \times 0.1 + 3 \times 0.01 + 5 \times 0.001$
- 7) _____ $6 \times 10000 + 8 \times 1000 + 3 \times 10 + 8 \times 0.1$
- 8) _____ $2 \times 100 + 6 \times 10 + 9 \times 1 + 3 \times 0.1 + 2 \times 0.01 + 3 \times 0.001$
- 9) _____ $3 \times 10000 + 7 \times 1000 + 1 \times 100 + 5 \times 10 + 8 \times 1 + 2 \times 0.1$
- 10) _____ $6 \times 100 + 1 \times 10 + 9 \times 1 + 5 \times 0.01 + 9 \times 0.001$
- 11) _____ $4 \times 1000 + 2 \times 100 + 6 \times 10 + 4 \times 1 + 6 \times 0.1 + 9 \times 0.01$
- 12) _____ $3 \times 100 + 9 \times 10 + 7 \times 1 + 6 \times 0.1 + 9 \times 0.01 + 3 \times 0.001$

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Write each number in normal form.

Example: $42.89 = 4 \times 10 + 2 \times 1 + 8 \times 0.1 + 9 \times 0.01$

- 1) 34,989.1 $3 \times 10000 + 4 \times 1000 + 9 \times 100 + 8 \times 10 + 9 \times 1 + 1 \times 0.1$
- 2) 73,126.2 $7 \times 10000 + 3 \times 1000 + 1 \times 100 + 2 \times 10 + 6 \times 1 + 2 \times 0.1$
- 3) 549.47 $5 \times 100 + 4 \times 10 + 9 \times 1 + 4 \times 0.1 + 7 \times 0.01$
- 4) 3,673.85 $3 \times 1000 + 6 \times 100 + 7 \times 10 + 3 \times 1 + 8 \times 0.1 + 5 \times 0.01$
- 5) 493.297 $4 \times 100 + 9 \times 10 + 3 \times 1 + 2 \times 0.1 + 9 \times 0.01 + 7 \times 0.001$
- 6) 794.735 $7 \times 100 + 9 \times 10 + 4 \times 1 + 7 \times 0.1 + 3 \times 0.01 + 5 \times 0.001$
- 7) 68,030.8 $6 \times 10000 + 8 \times 1000 + 3 \times 10 + 8 \times 0.1$
- 8) 269.323 $2 \times 100 + 6 \times 10 + 9 \times 1 + 3 \times 0.1 + 2 \times 0.01 + 3 \times 0.001$
- 9) 37,158.2 $3 \times 10000 + 7 \times 1000 + 1 \times 100 + 5 \times 10 + 8 \times 1 + 2 \times 0.1$
- 10) 619.059 $6 \times 100 + 1 \times 10 + 9 \times 1 + 5 \times 0.01 + 9 \times 0.001$
- 11) 4,264.69 $4 \times 1000 + 2 \times 100 + 6 \times 10 + 4 \times 1 + 6 \times 0.1 + 9 \times 0.01$
- 12) 397.693 $3 \times 100 + 9 \times 10 + 7 \times 1 + 6 \times 0.1 + 9 \times 0.01 + 3 \times 0.001$