

EXERCISE 1.1



1. Write the following numbers in words:

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| (a) 34,56,809 | (b) 7,77,77,777 | (c) 40,05,123 |
| (d) 672,789 | (e) 3,443,209 | (f) 3,123,987 |

2. Write each of the following in expanded form:

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| (a) 72,451 | (b) 7,09,521 | (c) 83,24,041 |
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3. Write each of the following in international system of numeration:

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| (a) 3,65,008 | (b) 47,94,349 | (c) 4,26,04,509 |
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4. Write each of the following in Indian system of numeration. Also write the number in words.

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| (a) 450814 | (b) 75928432 | (c) 400587500 |
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5. Write the successor of each of the following:

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| (a) 2,32,03,109 | (b) 56,456,345 | (c) 1,21,23,122 | (d) 4,09,08,004 |
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6. Write the predecessor of each of the following:
- (a) 60,00,000 (b) 24,56,456 (c) 7,42,31,000 (d) 1,09,02,723
7. Find the greatest and smallest numbers in the following sets of numbers.
- (a) 4,270; 4,451; 4,382; 4,952 (b) 46,523; 46,452; 46,270; 46,975
- (c) 7,05,927; 7,08,227; 7,08,420; 70,522
8. Make the smallest possible 6-digit number using the given digits only once.
- (a) 4, 3, 9, 2, 6, and 5 (b) 3, 4, 0, 1, 8, and 7
9. Make the greatest possible 5-digit number using the given digits only once.
- (a) 2, 0, 8, 5, and 3 (b) 8, 0, 4, 5, and 9
10. Compare using $>$, $<$ or $=$:
- (a) 5,67,981 and 5,67,891 (b) 5,504,201 and 5,504,210
- (c) 8,894,008 and 8,894,080
11. Write each of the following as numerals:
- (a) Five crore thirty-five lakh and twenty-two
- (b) Forty-seven lakh and seventeen
- (c) Five million forty-nine thousand five hundred and eight
- (d) Forty-eight million seven hundred seven thousand four hundred and fourteen.
12. Write the following numbers in standard form:
- (a) $70,000 + 4,000 + 600 + 80 + 9$ (b) $9,00,000 + 30,000 + 500 + 40 + 1$
- (c) $1,00,000 + 300 + 5$

EXERCISE 1.2



1. Round each of the following numbers to the nearest tens:
(a) 47 (b) 778 (c) 2,634 (d) 48,479
2. Round each of the following numbers to the nearest hundreds:
(a) 230 (b) 997 (c) 37,724 (d) 2,184
3. Round each of the following numbers to the nearest thousands:
(a) 4,401 (b) 7,604 (c) 6,718 (d) 6,823
4. Round each of the following numbers to the nearest ten thousands:
(a) 75,284 (b) 12,499 (c) 68,439 (d) 53,222
5. Round each of the following numbers to the nearest lakhs:
(a) 2,65,148 (b) 4,72,341 (c) 8,10,388 (d) 25,98,144
6. List any five numbers which can be rounded to the nearest tens as 330.
7. Estimate the sum by rounding the numbers to the nearest hundred:
(a) $362 + 482$ (b) $587 + 240 + 310$ (c) $207 + 131 + 248$ (d) $398 + 4,392$
8. Estimate the difference by rounding the numbers to the nearest hundred:
(a) $483 - 266$ (b) $481 - 139$ (c) $887 - 437$ (d) $479 - 215$
9. Estimate the following products by rounding the numbers to the nearest ten:
(a) 13×27 (b) 49×192 (c) 35×45 (d) 115×27
10. A shopkeeper has 2,345 kg of salt. He sells 45 kg of salt every day. Estimate how much salt is left after 10 days of sale (to the nearest hundred).

EXERCISE 1.3



1. Write the Roman numerals for each of the following:
(a) 42 (b) 85 (c) 1,500 (d) 1,390 (e) 348
2. Write the following in Hindu-Arabic numerals:
(a) XXVII (b) XLVI (c) LVIII (d) CD (e) CMLXV
3. Compare the following using $<$ and $>$:
(a) LX, XC (b) XCII, LXV (c) XLIV, LXIV (d) XXIV, XLV (e) LXIX, LXXII
4. Which of the following are meaningless?
(a) XC (b) XVIII (c) XCI (d) VL (e) MVXXV
5. Give the answer for each of the following in Roman numerals:
(a) $XC + X$ (b) $XX - V$ (c) $LX - XL$ (d) $XLIV + XX$ (e) $XXX - IV$
6. Write the following Roman numerals as Hindu-Arabic numerals:
(a) CCCXL (b) CDXLV (c) CLXVII (d) DCCXL (e) XCIX