आधुनिक विद्या निकेतन ट्यूशन सेंटर

1. प्राकृत संख्या

(क) $663265 - 567267 =$
(ख) $5322222 \div 457 =$
(ग) $641672 - 527126 =$
(घ) $4219 \times 29 =$
(ङ) $927074 - 787574 =$
(च) $975651 - 468312 =$
(छ) $583180 + 122694 =$
(ज) $6006364 \div 812 =$
(झ) $1770 \times 50 =$
(ञ) $4558 \times 15 =$
(ट) $819835 + 285678 =$
(ठ) $1152 \times 42 =$
(ड) $957558 + 568334 =$
(ढ) $550589 + 812972 =$
(ण) $12827110 \div 541 =$

4. पूर्णांक

(क) $(-9264262) \div 161 =$
(ख) $(-2689) \times (-51) =$
(ग) $780351 - (-790356) =$
(घ) $(-714426) - 613846 =$
(ङ) $1019 \times 16 =$
(च) $(-21175506) \div (-297) =$
(छ) $(-473616) + (-601168) =$
(ज) $(-242021) - (-860080) =$
(झ) $408508 - 403104 =$
(ञ) $47208270 \div (-534) =$
(ट) $(-6331) \times (-71) =$
(ठ) $(-964532) + (-271864) =$
(ड) $873365 - (-426779) =$
(ढ) $5154 \times (-40) =$
(ण) $947489 - 894312 =$

2. भिन्न

(क) $\frac{87}{5} - \frac{5}{6} =$
(ख) $\frac{43}{6} \div \frac{3}{2} =$
(ग) $\frac{18}{2} + \frac{2}{4} =$
(घ) $\frac{96}{6} \div \frac{5}{4} =$
(ङ) $\frac{34}{4} \times \frac{7}{5} =$
(च) $\frac{27}{3} + \frac{8}{2} =$
(छ) $\frac{60}{2} - \frac{9}{2} =$
(ज) $\frac{29}{7} + \frac{2}{9} =$
(झ) $\frac{52}{2} \times \frac{9}{7} =$
(ञ) $\frac{40}{3} \div \frac{8}{4} =$
(ट) $\frac{31}{6} \div \frac{5}{8} =$
(ठ) $\frac{73}{9} - \frac{4}{5} =$
(ड) $\frac{91}{2} - \frac{3}{8} =$
(ढ) $\frac{86}{7} - \frac{5}{4} =$
(ण) $\frac{87}{3} + \frac{3}{3} =$
(त) $51 + \frac{7}{9} =$
(थ) $13 - \frac{2}{2} =$
(द) $92 + \frac{6}{4} =$
(ध) $67 \times \frac{2}{2} =$
(न) $45 \div \frac{7}{4} =$
(प) $31 - \frac{6}{3} =$
(फ) $93 + \frac{9}{2} =$
(ब) $91 + \frac{8}{4} =$
(भ) $96 \div \frac{3}{9} =$
(म) $75 + \frac{2}{6} =$
(य) $83 - \frac{2}{5} =$
(र) $35 + \frac{7}{3} =$
(ल) $53 \times \frac{6}{7} =$
(व) $55 + \frac{1}{9} =$
(श) $41 \times \frac{6}{3} =$

3. दसमलव

(क) 27.1 - 5.4 =
(ख) 73.2 + 5.7 =
(ग) 78.1 + 9.9 =
(घ) 9.0 - 9.0 =
(ङ) 171.6 ÷ 4.4 =
(च) 63.8 ÷ 1.1 =
(छ) 25.9 + 7.2 =
(ज) 36.1 - 2.0 =
(झ) 2.0 - 1.2 =
(ञ) 221.1 ÷ 6.7 =
(ट) 66.9 + 4.9 =
(ठ) 21.4 - 1.6 =
(ड) 39.1 × 2.2 =
(ढ) 14.1 - 0.0 =
(ण) 96.8 - 2.5 =
(क) $(-40.1) + 3.5 =$
(ख) $8.4 - (-5.5) =$
(ग) $8.3 - 3.4 =$
(घ) $(-19.2) - 4.2 =$
(ङ) $(-44.7) + (-2.1) =$
(च) $(-239.736) \div 2.8 =$
(छ) $(-32.0) \times (-7.8) =$
(ज) $21.1 + (-4.3) =$
(झ) $(-896.384) \div 9.4 =$
(ञ) $(-33.1) + 2.4 =$
(ट) $(-73.4) + 0.3 =$
(ठ) $30.112 \div 0.8 =$
(ड) $(-78.4) + 6.5 =$
(ढ) $2.5 - 9.1 =$
(ण) $(-47.0) - 9.6 =$

4. परिमेय संख्या

(क) $\frac{62}{8} - \frac{9}{6} =$
(ख) $\frac{-19}{8} + \frac{1}{8} =$
(ग) $\frac{-91}{6} \div \frac{-8}{9} =$
(घ) $\frac{-10}{4} \div \frac{-7}{2} =$
(ङ) $\frac{-55}{2} \div \frac{5}{8} =$
(च) $\frac{-37}{9} \div \frac{-7}{9} =$
(छ) $\frac{-12}{9} \div \frac{-7}{6} =$
(ज) $\frac{-98}{9} + \frac{1}{3} =$
(झ) $\frac{-11}{3} \div \frac{5}{2} =$
(ञ) $\frac{-46}{6} \div \frac{-6}{7} =$
(ट) $\frac{-36}{3} - \frac{1}{4} =$
(ठ) $\frac{-72}{9} - \frac{8}{9} =$
(ड) $\frac{-79}{3} \times \frac{1}{4} =$
(ढ) $\frac{15}{5} - \frac{-6}{6} =$
(ण) $\frac{37}{6} \times \frac{-5}{9} =$
(त) $\frac{29}{3} + \frac{6}{2} =$

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(ण) $\frac{87}{3} + \frac{3}{3} =$
(त) $51 + \frac{7}{9} =$
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(द) $92 + \frac{6}{4} =$
(ध) $67 \times \frac{2}{2} =$
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(च) $\frac{-37}{9} \div \frac{-7}{9} =$
(छ) $\frac{-12}{9} \div \frac{-7}{6} =$
(ज) $\frac{-98}{9} + \frac{1}{3} =$
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(ण) $\frac{37}{6} \times \frac{-5}{9} =$
(त) $\frac{29}{3} + \frac{6}{2} =$

Number Operation 1 MVN

(थ) $\frac{94}{5} \times \frac{-8}{7}$ = (द) $\frac{-27}{5} \div \frac{6}{4}$ =

(ध) $\frac{-30}{4} + \frac{-9}{5}$ = (न) $\frac{-86}{2} + \frac{-2}{4}$ =

3. सरलीकरण

(क) 4 + 2 + 9 - 2 - 7 =

(ख) 2 + 7 - 9 + 8 - 6 =

(ग) 6 + 7 - 1 + 4 - 3 =

(घ) 1 + 7 - 3 - 4 + 8 =

(ङ) 8 + 6 - 1 + 7 - 6 =

(च) 3 - 6 - (-2) + 0 - 0 =

(छ) 8 - 4 - 1 + 8 - 6 =

(ज) 6 - 5 + 6 + (-3) + 5 =

(झ) 7 - (-6) + 9 + 7 - (-6) =

(ञ) 7 + (-5) + (-2) - 1 + 8 =

(ट) $\frac{5}{6} + \frac{2}{4} + \frac{4}{6} - \frac{7}{3} + \frac{2}{6}$ =

(ठ) $\frac{8}{6} - \frac{4}{3} - \frac{8}{3} - \frac{6}{7} - \frac{7}{8}$ =

(ड) 3.5 + 4.1 - 8.3 + (-2.9) - 4.8 =

(ढ) (-6.6) - 2.2 + 0.2 + (-8.2) + 5.4 =

(ण) (-4.3) + (-2.3) + (-8.3) + (-0.8) + 4.5 =

(त) (-1.9) - -0.0 + (-4.1) + 0.5 + 0.4 =

(थ) (-7.7) - (-8.0) + 5.2 - (-7.1) + 4.1 =

(द) $\frac{7}{4} - \frac{1}{3} - \frac{4}{9} + \frac{-4}{6} + \frac{-6}{3}$ =

(ध) $\frac{-8}{6} + \frac{-8}{7} - \frac{-8}{8} - \frac{-1}{9} - \frac{-9}{4}$ =

(न) $\frac{2}{6} - \frac{3}{9} - \frac{1}{3} + \frac{3}{7} - \frac{5}{3}$ =

(प) $\frac{7}{9} + \frac{2}{9} - \frac{8}{5} + \frac{-4}{7} + \frac{3}{8}$ =

(फ) $\frac{-8}{6} + \frac{-5}{3} - \frac{8}{5} + \frac{3}{6} + \frac{-5}{8}$ =

(ब) 8 × 9 + 1 × 4 - 3 × 8 - 5 × 7 =

(भ) 28 ÷ 4 - 63 ÷ 7 + 45 ÷ 5 - 15 ÷ 5 =

(म) 49 ÷ 7 + 8 ÷ 4 + 36 ÷ 6 - 18 ÷ 6 =

(य) 9 × 9 + 7 × 1 + 3 × 8 - 4 × 5 =

(र) 12 ÷ 6 + 42 ÷ 7 + 12 ÷ 2 - 32 ÷ 4 =

(ल) 6 × 7 + 4 × 2 + 7 × 8 + 2 × 6 =

(व) 7 × 4 + 1 × 7 - 1 × 2 + 4 × 4 =

(श) 1 × 7 + 4 × 1 + 5 × 7 - 3 × 5 =

(ष) 72 ÷ 9 + 7 ÷ 1 - 10 ÷ 2 - 42 ÷ 7 =

(ह) 8 ÷ 8 + 36 ÷ 9 + 49 ÷ 7 + 10 ÷ 2 =

(क्ष) (-4) × (-1) + 8 × (-1) - 6 × 0 - (-6) × (-6) =

(त्र) (-9) ÷ (-9) + 0 ÷ (-3) + (-8) ÷ 1 + (-1) ÷ (-1) =

(ज्ञ) (-28) ÷ 7 - (-4) ÷ (-4) + 24 ÷ (-3) + 3 ÷ 3 =

(अ) 6 ÷ 6 - 40 ÷ (-5) + 63 ÷ 9 - 56 ÷ (-8) =

(आ) 8 × 2 + 5 × 5 + (-2) × 4 - 7 × (-9) =

(इ) $\frac{6}{4} \times \frac{-3}{2} + \frac{-7}{3} \times \frac{8}{9} + \frac{2}{6} \times \frac{3}{2} + \frac{4}{9} \times \frac{2}{5}$ =

(ई) $\frac{-9}{4} \times \frac{-8}{3} - \frac{-4}{9} \times \frac{-9}{5} + \frac{-5}{4} \times \frac{7}{7} + \frac{-6}{5} \times \frac{-7}{6}$ =

(ऋ) $\frac{16}{5} \div \frac{4}{2} - \frac{-8}{21} \div \frac{-2}{6} + \frac{16}{21} \div \frac{8}{3} + \frac{-10}{21} \div \frac{-6}{7}$ =

(ॠ) $\frac{4}{6} \times \frac{-8}{2} - \frac{-8}{4} \times \frac{8}{6} + \frac{3}{4} \times \frac{-3}{5} - \frac{6}{7} \times \frac{7}{4}$ =

(ऌ) $\frac{6}{9} \times \frac{5}{7} + \frac{-5}{4} \times \frac{2}{2} + \frac{4}{9} \times \frac{-6}{3} - \frac{5}{5} \times \frac{7}{9}$ =

4. वर्ग और वर्गमूल

(क) 6317345^2 = (ख) 5178^2 =

(ग) 52474^2 = (घ) 369395^2 =

(ङ) 461^2 = (च) 408^2 =

(छ) 72751^2 = (ज) 4991^2 =

(झ) 7474147^2 = (ञ) 748691^2 =

(ट) 79^2 = (ठ) 8^2 =

(ड) 3298975^2 = (ढ) 9130^2 =

(ण) 52^2 = (त) 3208738^2 =

(थ) $\sqrt{49}$ = (द) $\sqrt{1}$ =

(ध) $\sqrt{4761}$ = (न) $\sqrt{64}$ =

(प) $\sqrt{6400}$ = (फ) $\sqrt{16}$ =

(ब) $\sqrt{1}$ = (भ) $\sqrt{4}$ =

(म) $\sqrt{3600}$ = (य) $\sqrt{36}$ =

(र) $\sqrt{25}$ = (ल) $\sqrt{2025}$ =

(व) $\sqrt{49}$ = (श) $\sqrt{1156}$ =

(ष) $\sqrt{64}$ = (ह) $\sqrt{8836}$ =

4. घन और घनमूल

(क) 0^3 = (ख) 55^3 =

(ग) 41^3 = (घ) 8^3 =

(ङ) 32^3 = (च) 6^3 =

(छ) 27^3 = (ज) 65^3 =

(झ) 74^3 = (ञ) 84^3 =

(ट) 4^3 = (ठ) 1^3 =

(ड) 3^3 = (ढ) 8^3 =

(ण) 75^3 = (त) 2^3 =

(थ) $\sqrt[3]{729}$ = (द) $\sqrt[3]{2197}$ =

(ध) $\sqrt[3]{21952}$ = (न) $\sqrt[3]{42875}$ =

(प) $\sqrt[3]{614125}$ = (फ) $\sqrt[3]{1}$ =

(ब) $\sqrt[3]{389017}$ = (भ) $\sqrt[3]{551368}$ =

(म) $\sqrt[3]{103823}$ = (य) $\sqrt[3]{50653}$ =

(र) $\sqrt[3]{250047}$ = (ल) $\sqrt[3]{2744}$ =

(व) $\sqrt[3]{512}$ = (श) $\sqrt[3]{1}$ =

(ष) $\sqrt[3]{21952}$ = (ह) $\sqrt[3]{830584}$ =

4. घातांक

(क) $48^8 \times 48^3$ = (ख) $32^2 \times 32^4$ =

(ग) $8^8 \times 8^9$ = (घ) $24^2 \times 24^7$ =

(ङ) $76^4 \div 76^6$ = (च) $55^2 \div 55^4$ =

(छ) $6^2 \div 6^2$ = (ज) $6^4 \div 6^5$ =

(झ) $151^3 \div 151^5$ = (ञ) $403^7 \div 403^5$ =

(थ) $\frac{94}{5} \times \frac{-8}{7}$ = (द) $\frac{-27}{5} \div \frac{6}{4}$ =

(ध) $\frac{-30}{4} + \frac{-9}{5}$ = (न) $\frac{-86}{2} + \frac{-2}{4}$ =

3. सरलीकरण

(क) 4 + 2 + 9 - 2 - 7 =

(ख) 2 + 7 - 9 + 8 - 6 =

(ग) 6 + 7 - 1 + 4 - 3 =

(घ) 1 + 7 - 3 - 4 + 8 =

(ङ) 8 + 6 - 1 + 7 - 6 =

(च) 3 - 6 - (-2) + 0 - 0 =

(छ) 8 - 4 - 1 + 8 - 6 =

(ज) 6 - 5 + 6 + (-3) + 5 =

(झ) 7 - (-6) + 9 + 7 - (-6) =

(ञ) 7 + (-5) + (-2) - 1 + 8 =

(ट) $\frac{5}{6} + \frac{2}{4} + \frac{4}{6} - \frac{7}{3} + \frac{2}{6}$ =

(ठ) $\frac{8}{6} - \frac{4}{3} - \frac{8}{3} - \frac{6}{7} - \frac{7}{8}$ =

(ड) 3.5 + 4.1 - 8.3 + (-2.9) - 4.8 =

(ढ) (-6.6) - 2.2 + 0.2 + (-8.2) + 5.4 =

(ण) (-4.3) + (-2.3) + (-8.3) + (-0.8) + 4.5 =

(त) (-1.9) - -0.0 + (-4.1) + 0.5 + 0.4 =

(थ) (-7.7) - (-8.0) + 5.2 - (-7.1) + 4.1 =

(द) $\frac{7}{4} - \frac{1}{3} - \frac{4}{9} + \frac{-4}{6} + \frac{-6}{3}$ =

(ध) $\frac{-8}{6} + \frac{-8}{7} - \frac{-8}{8} - \frac{-1}{9} - \frac{-9}{4}$ =

(न) $\frac{2}{6} - \frac{3}{9} - \frac{1}{3} + \frac{3}{7} - \frac{5}{3}$ =

(प) $\frac{7}{9} + \frac{2}{9} - \frac{8}{5} + \frac{-4}{7} + \frac{3}{8}$ =

(फ) $\frac{-8}{6} + \frac{-5}{3} - \frac{8}{5} + \frac{3}{6} + \frac{-5}{8}$ =

(ब) 8 × 9 + 1 × 4 - 3 × 8 - 5 × 7 =

(भ) 28 ÷ 4 - 63 ÷ 7 + 45 ÷ 5 - 15 ÷ 5 =

(म) 49 ÷ 7 + 8 ÷ 4 + 36 ÷ 6 - 18 ÷ 6 =

(य) 9 × 9 + 7 × 1 + 3 × 8 - 4 × 5 =

(र) 12 ÷ 6 + 42 ÷ 7 + 12 ÷ 2 - 32 ÷ 4 =

(ल) 6 × 7 + 4 × 2 + 7 × 8 + 2 × 6 =

(व) 7 × 4 + 1 × 7 - 1 × 2 + 4 × 4 =

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(ष) 72 ÷ 9 + 7 ÷ 1 - 10 ÷ 2 - 42 ÷ 7 =

(ह) 8 ÷ 8 + 36 ÷ 9 + 49 ÷ 7 + 10 ÷ 2 =

(क्ष) (-4) × (-1) + 8 × (-1) - 6 × 0 - (-6) × (-6) =

(त्र) (-9) ÷ (-9) + 0 ÷ (-3) + (-8) ÷ 1 + (-1) ÷ (-1) =

(ज्ञ) (-28) ÷ 7 - (-4) ÷ (-4) + 24 ÷ (-3) + 3 ÷ 3 =

(अ) 6 ÷ 6 - 40 ÷ (-5) + 63 ÷ 9 - 56 ÷ (-8) =

(आ) 8 × 2 + 5 × 5 + (-2) × 4 - 7 × (-9) =

(इ) $\frac{6}{4} \times \frac{-3}{2} + \frac{-7}{3} \times \frac{8}{9} + \frac{2}{6} \times \frac{3}{2} + \frac{4}{9} \times \frac{2}{5}$ =

(ई) $\frac{-9}{4} \times \frac{-8}{3} - \frac{-4}{9} \times \frac{-9}{5} + \frac{-5}{4} \times \frac{7}{7} + \frac{-6}{5} \times \frac{-7}{6}$ =

(ऋ) $\frac{16}{5} \div \frac{4}{2} - \frac{-8}{21} \div \frac{-2}{6} + \frac{16}{21} \div \frac{8}{3} + \frac{-10}{21} \div \frac{-6}{7}$ =

(ॠ) $\frac{4}{6} \times \frac{-8}{2} - \frac{-8}{4} \times \frac{8}{6} + \frac{3}{4} \times \frac{-3}{5} - \frac{6}{7} \times \frac{7}{4}$ =

(ऌ) $\frac{6}{9} \times \frac{5}{7} + \frac{-5}{4} \times \frac{2}{2} + \frac{4}{9} \times \frac{-6}{3} - \frac{5}{5} \times \frac{7}{9}$ =

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(ड) 3298975^2 = (ढ) 9130^2 =

(ण) 52^2 = (त) 3208738^2 =

(थ) $\sqrt{49}$ = (द) $\sqrt{1}$ =

(ध) $\sqrt{4761}$ = (न) $\sqrt{64}$ =

(प) $\sqrt{6400}$ = (फ) $\sqrt{16}$ =

(ब) $\sqrt{1}$ = (भ) $\sqrt{4}$ =

(म) $\sqrt{3600}$ = (य) $\sqrt{36}$ =

(र) $\sqrt{25}$ = (ल) $\sqrt{2025}$ =

(व) $\sqrt{49}$ = (श) $\sqrt{1156}$ =

(ष) $\sqrt{64}$ = (ह) $\sqrt{8836}$ =

4. घन और घनमूल

(क) 0^3 = (ख) 55^3 =

(ग) 41^3 = (घ) 8^3 =

(ङ) 32^3 = (च) 6^3 =

(छ) 27^3 = (ज) 65^3 =

(झ) 74^3 = (ञ) 84^3 =

(ट) 4^3 = (ठ) 1^3 =

(ड) 3^3 = (ढ) 8^3 =

(ण) 75^3 = (त) 2^3 =

(थ) $\sqrt[3]{729}$ = (द) $\sqrt[3]{2197}$ =

(ध) $\sqrt[3]{21952}$ = (न) $\sqrt[3]{42875}$ =

(प) $\sqrt[3]{614125}$ = (फ) $\sqrt[3]{1}$ =

(ब) $\sqrt[3]{389017}$ = (भ) $\sqrt[3]{551368}$ =

(म) $\sqrt[3]{103823}$ = (य) $\sqrt[3]{50653}$ =

(र) $\sqrt[3]{250047}$ = (ल) $\sqrt[3]{2744}$ =

(व) $\sqrt[3]{512}$ = (श) $\sqrt[3]{1}$ =

(ष) $\sqrt[3]{21952}$ = (ह) $\sqrt[3]{830584}$ =

4. घातांक

(क) $48^8 \times 48^3$ = (ख) $32^2 \times 32^4$ =

(ग) $8^8 \times 8^9$ = (घ) $24^2 \times 24^7$ =

(ङ) $76^4 \div 76^6$ = (च) $55^2 \div 55^4$ =

(छ) $6^2 \div 6^2$ = (ज) $6^4 \div 6^5$ =

(झ) $151^3 \div 151^5$ = (ञ) $403^7 \div 403^5$ =

Number Operation 2 MVN