



MATHS

BOOKS - CHETANA MATHS (MARATHI ENGLISH)

Real numbers

Example

1. Write the following rational numbers in $\frac{p}{q}$
form

(i) $7.\overline{529}$



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2. Write the following rational numbers in p/q form (ii) 0.7



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3. Simplify $7\sqrt{3} - 29\sqrt{3}$



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4. Divide $\sqrt{125} : \sqrt{5}$.



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5. Rationalize the denominator of $\frac{1}{\sqrt{5}}$.



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6. Simplify : $\sqrt{168}$.



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7. Multiply: $\sqrt{2}(\sqrt{8} + \sqrt{18})$.



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8. Compare the following surds: $8\sqrt{3}$, $\sqrt{192}$.



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Exercise

1. Write the order of following surd: (i) $\sqrt{5}$.



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2. Write the order of following surd: (i) $\sqrt[3]{3}$.



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3. Write any two surds with order 2.



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4. Find the value: $|-4| \times |4|$.



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5.

if

$$(5\sqrt{2} + 3\sqrt{3}) - (6\sqrt{2} - 7\sqrt{3}) = a\sqrt{2} + b\sqrt{3}$$

then find a and b.



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6. Solve: $|x - 5| = 2$



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7. Simplify: $8\sqrt{5} + \sqrt{20} - \sqrt{125}$



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8. Represent $\sqrt{10}$ on a number line.



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9. Write the following rational numbers in

decimal form: (i) $\frac{5}{11}$



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10. Write the following rational numbers in decimal form:(ii) $\frac{1}{6}$.



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11. Rationalize the denominator: $\frac{1}{\sqrt{5} - \sqrt{3}}$



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