



# MATHS

## BOOKS - KALYANI MATHS (ASSAMESE ENGLISH)

### RECAPITULATION OF RATIONAL AND IRRATIONAL NUMBERS

**Exercise**

1. Show that the fraction have terminal decimal expression.

$$\frac{125}{4}$$



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2. Show that the fraction have terminal decimal expression.

$$\frac{324}{4}$$



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3. Show that the fraction have terminal decimal expression.

$$\frac{576}{125}$$



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4. Show that the fraction have terminal decimal expression.

$$\frac{1024}{625}$$



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5. Show that the fraction have terminal decimal expression.

$$\frac{8724}{3125}$$



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6. Show that the following decimal expression can be put in the form  $\frac{p}{q}$ , where  $q$  is of the form  $2^m 5^n$

4.3125



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7. Show that the following decimal expression can be put in the form  $\frac{p}{q}$ , where  $q$  is of the form  $2^m 5^n$

0.0875



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8. Show that the following decimal expression can be put in the form  $\frac{p}{q}$ , where  $q$  is of the form  $2^m 5^n$

0.008



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**9.** Show that the following decimal expression can be put in the form  $\frac{p}{q}$ , where  $q$  is of the form  $2^m 5^n$

0.00416



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**10.** Show that the following decimal expression can be put in the form  $\frac{p}{q}$ , where  $q$  is of the

form  $2^m 5^n$

0.009375



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**11.** Show that the numbers are irrational.

$$\sqrt{3}$$



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**12.** Show that the numbers are irrational.

$$3\sqrt{2}$$



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**13.** Show that the numbers are irrational.

$$3 + \sqrt{2}$$



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**14.** Show that the numbers are irrational.

$$3 - \sqrt{2}$$



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**15.** Show that the numbers are irrational.

$$\frac{1}{\sqrt{3}}$$



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**16.** Show that the numbers are irrational.

$$\frac{1}{3 - \sqrt{2}}$$



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**17.** Show that the numbers are irrational.

$$\sqrt{5} + \sqrt{2}$$



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**18.** Examine the following rational numbers can be put in the form of  $2^m 5^n$  where  $m$  and  $n$  are both integers.

1.125



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**19.** Examine the following rational numbers can be put in the form of  $2^m 5^n$  where  $m$  and  $n$  are both integers.

2.04 $\overline{67}$



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**20.** Examine the following rational numbers can be put in the form of  $2^m 5^n$  where  $m$  and  $n$  are both integers.

4.628452



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