

Topic 1:

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Key Concept

Any rational number can be written in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

For example, $\frac{3}{4}$ is a rational number because it can be written in the form $\frac{p}{q}$, where $p=3$ and $q=4$.

Similarly, $-\frac{5}{2}$ is a rational number because it can be written in the form $\frac{p}{q}$, where $p=-5$ and $q=2$.

Any integer can also be written as a rational number. For example, 7 can be written as $\frac{7}{1}$.

Quick Revision Notes

- A rational number is any number that can be written in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- For example, $\frac{3}{4}$ is a rational number because it can be written in the form $\frac{p}{q}$, where $p=3$ and $q=4$.
- Similarly, $-\frac{5}{2}$ is a rational number because it can be written in the form $\frac{p}{q}$, where $p=-5$ and $q=2$.
- Any integer can also be written as a rational number. For example, 7 can be written as $\frac{7}{1}$.
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Practice Questions

- Write the following numbers in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
- $\frac{3}{5}$ and $-\frac{2}{7}$ are rational numbers. Write them in the form $\frac{p}{q}$.
- Write the following numbers in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
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