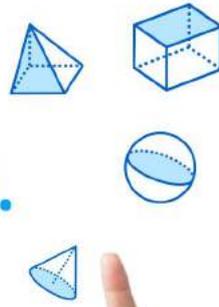


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RATIONAL AND IRRATIONAL NUMBERS WORKSHEETS

Check whether the number is rational or irrational for questions 1-5

1. $\sqrt{103}$

2. 5.6223

3. $\sqrt{37}$

4. 63.4279

5. 87.33997

6. Which of the following statements are correct?

- a. Every whole number is an integer.
- b. Every integer is a rational number.
- c. Every rational number is not an integer.
- d. Every natural number is a rational number
- e. Every integer is a natural number.

7. Which of the following will have terminating decimal representations?

a. $\frac{1}{20}$

b. $\frac{32}{54}$

c. $\frac{7}{125}$

d. $\sqrt{23}$

e. None of these

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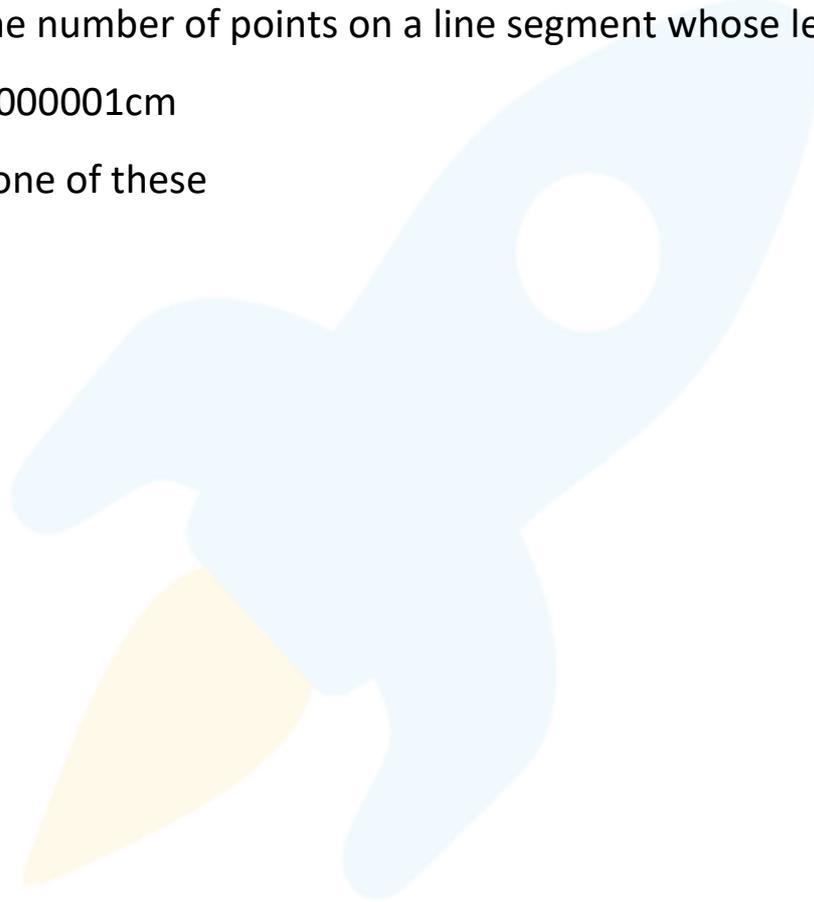
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8. Evaluate of $\left[\frac{-21}{4}\right] + \left[\frac{21}{4}\right]$ is _____

9. Determine Which of the following will be infinite in number?

- a. The number of people in the world
- b. Sand grains on a beach
- c. The number of molecules of water on Earth
- d. The number of points on a line segment whose length is 0.000001cm
- e. None of these



ANSWERS	
1.	I
2.	R
3.	I
4.	R
5.	R
6.	a. Every whole number is an integer. b. Every integer is a rational number. c. Every rational number is not an integer. d. Every natural number is a rational number
7.	a. $\frac{1}{16}$ c. $\frac{17}{125}$
8.	-1
9.	d. The number of points on a line segment whose length is 0.000001cm