

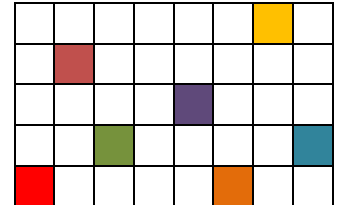
Class : VIII
Worksheet on 'REASONING'

1. Geeta and Babita starts from a fixed point. Geeta moves 8 km westward and turns left and then covers 6 km. Babita moves 15 km northward, turns left and walks 8 km. Then the distance between Geeta and Babita (now) and the distance of Babita from the starting point now are respectively-

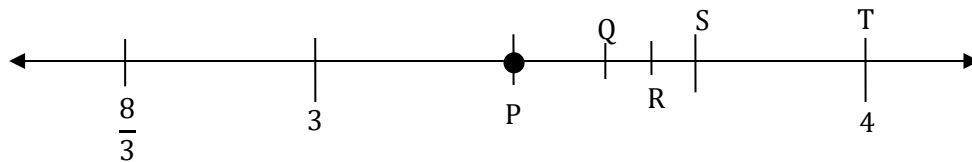
a) 17km, 13km	b) 17 km, 21km	c) 21 km, 17 km	d) 21 km, $\sqrt{161}$ km
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2. How many small boxes need to be coloured to cover 65% of the total area and how many more need to be coloured yet?

a) 40, 33	b) 26, 19	c) 19, 26	d) 33, 40
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3. Which letters represent the approximate positions of $T - \frac{5}{12}$, $P + \frac{1}{4}$ on the number line respectively?



a) R, R	b) Q, R	c) R, Q	d) Q, S
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4. If \$ stands for multiplication, & stands for division, @ stands for subtraction and # stands for addition, which one of the following equation is correct ?

a) $\left\{ \left(-\frac{5}{9} \right) \& \left(\frac{3}{7} \right) \right\} \# \left\{ \left(-\frac{5}{9} \right) \& \left(-\frac{6}{7} \right) \right\} \# \left(\frac{2}{7} \right) = -1$	b) $\left\{ \left(-\frac{5}{9} \right) \$ \left(\frac{3}{7} \right) \right\} \# \left\{ \left(-\frac{5}{9} \right) \$ \left(-\frac{6}{7} \right) \right\} @ \left(\frac{2}{7} \right) = -1$
c) $\left\{ \left(-\frac{5}{9} \right) \$ \left(\frac{3}{7} \right) \right\} @ \left\{ \left(-\frac{5}{9} \right) \$ \left(-\frac{6}{7} \right) \right\} @ \left(\frac{2}{7} \right) = -1$	d) $\left\{ \left(-\frac{5}{9} \right) \& \left(\frac{3}{7} \right) \right\} @ \left\{ \left(-\frac{5}{9} \right) \& \left(-\frac{6}{7} \right) \right\} \# \left(\frac{2}{7} \right) = -1$

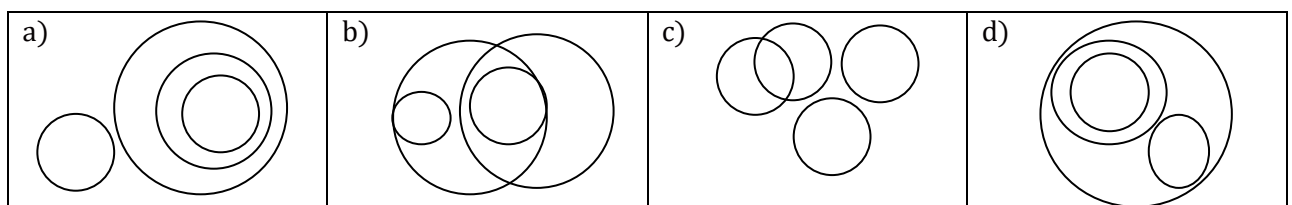
5. Choose the odd one from the following series :

1, (1 + 3 + 5 + 7 + 9), (1 + 3 + 5 + ... + 13), 81, 169, 289,

a) 81	b) (1 + 3 + 5 + ... + 13)	c) 289	d) (1 + 3 + 5 + 7 + 9)
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6. The following three elements may or may not have some inter linkage. Choose the correct Venn diagram which is appropriate for the given elements :

Rational numbers, Irrational numbers, Integers, Decimal numbers



7. $\left(111111 + \frac{1}{999999} \right) \left(111111 + \frac{1}{999999} \right) - \left(111111 - \frac{1}{999999} \right) \left(111111 - \frac{1}{999999} \right) = ?$

a) 111111	b) 4/9	c) 9	d) 1/9
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8. If $n = 111111111^2$, then the 9th digit in the expansion of n from the left is -

a) 9	b) 1	c) 3	d) 6
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Answer Key

1. C	2. B	3. A	4. C
5. B	6. D	7. B	8. A