ALLEN

(Academic Session: 2024 - 2025)

HAND WRITTEN SOLUTIONS

CLASS VI   MATHEMATICS

DECIMALS

INSTRUCTIONS:

These are some suggested ways "To solve exam questions."

→ Solve questions according to the marks given.

→ Handwriting should be neat and clean and the solution should be written stepwise.

→ Constructions and graphs should be drawn using pencil and scale.

→ For doing rough work / any calculations, draw a margin on the right side of the page and mark it as "Rough" so that answer copy looks clean.

→ Highlight the final answer either by underline or making box.

→ Leave atleast 2 lines before and after every question.

→ Avoid overwriting.

NOTE: These are some standard instructions, however the instructions given by school teacher should also be kept in mind.

Very short answer type questions

Q(1) Write each of the following in figures.
(i) Fifty eight point six three
(ii) Seven point seven six
(iii) Four hundred four point zero four four
(iv) Point zero one five.

Sol: (i) 58.63
(ii) 7.76
(iii) 404.044
(iv) 0.015

Q(2) Convert each of the following as a mixed fraction.
(i) 16.5 (ii) 4.275 (iii) 7.004

Sol: (i) $16.5 = \dfrac{165}{10} = \dfrac{33}{2} = 16\dfrac{1}{2}$

(ii) $4.275 = \dfrac{4275}{1000} = \dfrac{855}{200} = \dfrac{171}{40} = 4\dfrac{11}{40}$

(iii) $7.004 = \dfrac{7004}{1000} = \dfrac{1751}{250} = 7\dfrac{1}{250}$

Q. NO.	CANDIDATE ANSWER

Short answer type questions

Q(14) what number added to 0.805 gives 1 ?

Sol. let the number be "x"

then $x + 0.805 = 1$

$$x = 1 - 0.805$$
$$x = 0.195$$

$$\begin{aligned} &1.000 \\ &-0.805 \\ \hline &0.195 \end{aligned}$$

Q(15) what must be subtracted from 3 to get 2.642 ?

Sol. let the number "x" then we have

$$\Rightarrow \quad 3 - x = 2.642$$

$$3 - 2.642 = x$$
$$x = 0.358$$

$$\begin{aligned} &3.000 \\ &-2.642 \\ \hline &0.358 \end{aligned}$$

Long answer type question.

Q(8) What is the difference of 3.14 and the sum of 5.99 and 0.65

Sol. Sum of 5.99 and 0.65 ⇒

$$\begin{array}{r} 5.99 \\ +\ 0.65 \\ \hline 6.64 \end{array}$$

· Subtract 3.14 from 6.64 ⇒

$$\begin{array}{r} 6.64 \\ -\ 3.14 \\ \hline 3.50 \end{array}$$