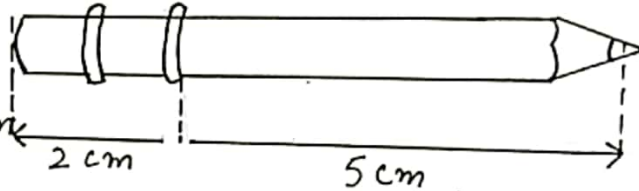
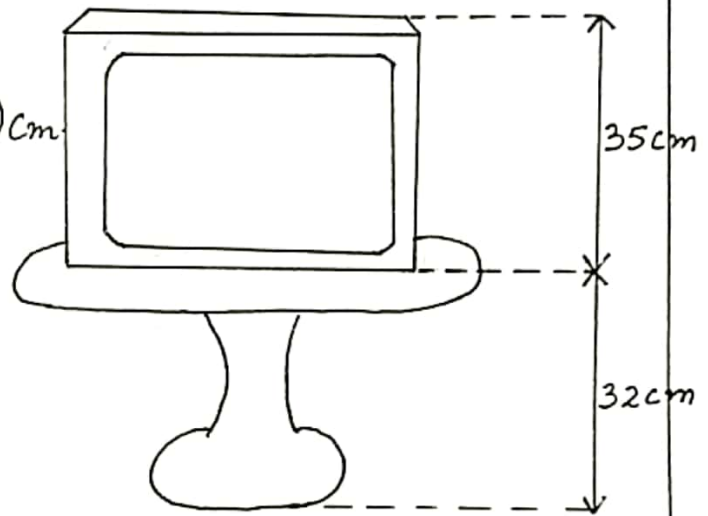


New Era Public SchoolClass : 2nd Subject : Mathematics A/B Session : 2021Solved Assignment of Term - II 2021Topic : Measurement Chapter no. : 08Book workCombined Lengths

- i) Combined length of this pencil is $2\text{ cm} + 5\text{ cm} = 7\text{ cm}$



- ii) Combined height of this television is $35\text{ cm} + 32\text{ cm} = 67\text{ cm}$



(Do rest of parts yourself).

Units of Length

A) Convert.

- i) $1\text{ m} = 100\text{ cm}$
 ii) $2\text{ m} = 2 \times 100\text{ cm} = 200\text{ cm}$
 iii) $3\text{ m} = 3 \times 100\text{ cm} = 300\text{ cm}$
 iv) $6\text{ m} = 6 \times 100\text{ cm} = 600\text{ cm}$

(Do rest of parts yourself)

B) Convert.

- i) $1\text{ m} + 10\text{ cm} = 1\text{ m } 10\text{ cm}$
 ii) $2\text{ m} + 30\text{ cm} = 2\text{ m } 30\text{ cm}$
 iii) $3\text{ m} + 42\text{ cm} = 3\text{ m } 42\text{ cm}$
 iv) $5\text{ m} + 93\text{ cm} = 5\text{ m } 93\text{ cm}$

(Do rest of parts yourself)

P.J.O

Revision

A) Convert.

i) $2 \text{ km} = \underline{2} \times \underline{1000} \text{ m} = \underline{2000} \text{ m}.$

ii) $3 \text{ km} = \underline{3} \times \underline{1000} \text{ m} = \underline{3000} \text{ m}.$

iii) $8 \text{ km} = \underline{8} \times \underline{1000} \text{ m} = \underline{8000} \text{ m}.$
(Do rest of parts yourself)

B) Add.

i)
$$\begin{array}{r} 21 \text{ km} \\ + 12 \text{ km} \\ \hline 33 \text{ km} \end{array}$$

ii)
$$\begin{array}{r} 30 \text{ km} \\ + 20 \text{ km} \\ \hline 50 \text{ km} \end{array}$$

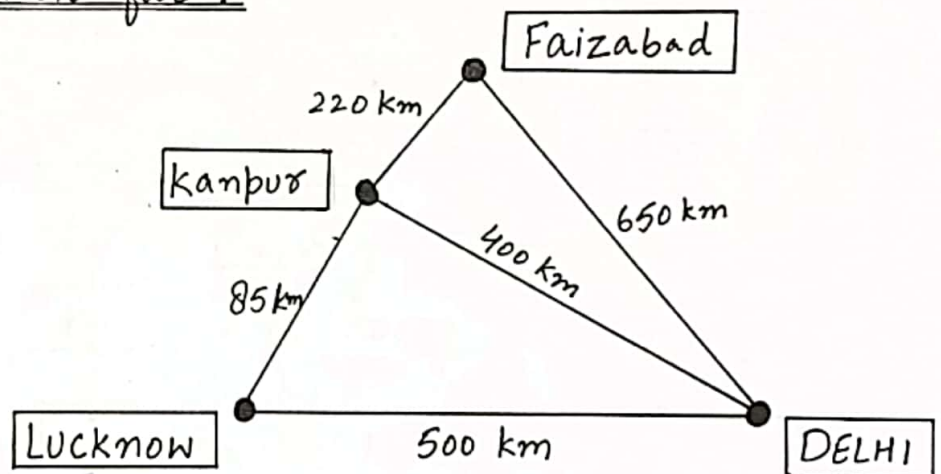
iii)
$$\begin{array}{r} \textcircled{1} 69 \text{ km} \\ + 3 \text{ km} \\ \hline 72 \text{ km} \end{array}$$

C) Subtract.

i)
$$\begin{array}{r} 64 \text{ km} \\ - 22 \text{ km} \\ \hline 42 \text{ km} \end{array}$$

ii)
$$\begin{array}{r} 72 \text{ km} \\ - 12 \text{ km} \\ \hline 60 \text{ km} \end{array}$$

iii)
$$\begin{array}{r} 96 \text{ km} \\ - 5 \text{ km} \\ \hline 91 \text{ km} \end{array}$$

(Do rest of parts yourself)
How far?

A) Write.

1. Distance between Kanpur and Faizabad is 220 km.2. Distance between Kanpur and Delhi is 400 km.3. Distance between Lucknow and Delhi is 500 km.

(Do rest of parts yourself).

B) Compare.

1. Faizabad - Delhi 650 km $>$ Lucknow - Delhi 500 km.2. Lucknow - Delhi 500 km $>$ Kanpur - Delhi 400 km.

(Do rest of parts yourself).

C) Which of the two cities are farthest to each other?

 $\rightarrow$ Faizabad - Delhi : 650 km.

Addition and Subtraction of Distances.

A) Add.

$$\begin{array}{r}
 \text{i) km} \quad \text{m} \\
 5 \quad 300 \\
 + 8 \quad 400 \\
 \hline
 13 \text{ km } 700 \text{ m}
 \end{array}$$

$$\begin{array}{r}
 \text{ii) m} \quad \text{cm} \\
 12 \quad 14 \\
 + 28 \quad 16 \\
 \hline
 40 \text{ m } 30 \text{ cm}
 \end{array}$$

(Do rest of parts yourself)

B) Subtract.

$$\begin{array}{r}
 \text{i) km} \quad \text{m} \\
 52 \quad 25 \\
 - 31 \quad 11 \\
 \hline
 21 \text{ km } 14 \text{ m}
 \end{array}$$

$$\begin{array}{r}
 \text{ii) m} \quad \text{cm} \\
 76 \quad 28 \\
 - 32 \quad 14 \\
 \hline
 44 \text{ m } 14 \text{ cm}
 \end{array}$$

(Do rest of parts yourself).

Comparing weights.A) Use the correct symbol ($>$, $<$ or $=$).

$$\begin{array}{lll}
 1. & 24 \text{ kg} & < & 48 \text{ kg} \\
 2. & 220 \text{ g} & > & 210 \text{ g} \\
 3. & 2 \text{ kg} & = & 2000 \text{ g} \\
 4. & 1 \text{ kg } 200 \text{ g} & < & 2 \text{ kg } 200 \text{ g} \\
 5. & 1000 \text{ g} & = & 1 \text{ kg}
 \end{array}$$

(Do rest of parts yourself)

Addition and comparison using $>$, $<$ or $=$.

B) Weight of Goldy and Mini

$$\begin{array}{r}
 \text{kg} \\
 \text{Goldy } 08 \\
 + \text{Mini } 31 \\
 \hline
 39
 \end{array}$$

Ans. 39 kg

Weight of Uncle and Aunt

$$\begin{array}{r}
 \text{kg} \\
 \text{uncle } 72 \\
 + \text{Aunt } 60 \\
 \hline
 132
 \end{array}$$

Ans. 132 kg

(Do part c yourself).

[Goldy = 8 kg Mini = 31 kg uncle = 72 kg Aunt = 60 kg]

Addition and Subtraction of weights

B) $12 \text{ kg } 113 \text{ g} + 17 \text{ kg } 201 \text{ g}$

Answer: 29 kg 314 g

kg	g
12	113
+ 17	201
<u>29</u>	<u>314</u>

(Do rest of parts yourself)

Measurement of capacity

A) Add.

i)
$$\begin{array}{r} 1 \text{ l } 2 \text{ ml} \\ + 1 \text{ l } 2 \text{ ml} \\ \hline 2 \text{ l } 4 \text{ ml} \end{array}$$

ii)
$$\begin{array}{r} 3 \text{ l } 0 \text{ ml} \\ + 2 \text{ l } 8 \text{ ml} \\ \hline 3 \text{ l } 2 \text{ ml } 8 \text{ ml} \end{array}$$

(Do rest of parts yourself)

B) Subtract.

i)
$$\begin{array}{r} 8 \text{ l } 2 \text{ ml} \\ - 4 \text{ l } 1 \text{ ml} \\ \hline 4 \text{ l } 1 \text{ ml} \end{array}$$

ii)
$$\begin{array}{r} 4 \text{ l } 2 \text{ ml } 6 \text{ ml} \\ - 1 \text{ l } 6 \text{ ml} \\ \hline 4 \text{ l } 1 \text{ ml } 0 \text{ ml} \end{array}$$

(Do rest of parts yourself)

C) Compare using $<$, $>$ or $=$.

i) $2 \text{ l} \quad > \quad 1 \text{ l } 500 \text{ ml}$

ii) $2 \text{ l } 200 \text{ ml} \quad < \quad 3 \text{ l}$

iii) $2000 \text{ ml} \quad = \quad 2 \text{ l}$

iv) $8 \text{ l } 100 \text{ ml} \quad > \quad 7 \text{ l } 800 \text{ ml}$

v) $4000 \text{ ml} \quad = \quad 4 \text{ l}$

(Do rest of parts yourself).

Converting units of capacity.

A) Convert.

i) $6 \text{ l} = \underline{6} \times \underline{1000} \text{ ml} = \underline{6000} \text{ ml}$

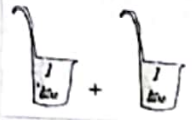
ii) $4 \text{ l} = \underline{4} \times \underline{1000} \text{ ml} = \underline{4000} \text{ ml}$

iii) $3 \text{ l} = \underline{3} \times \underline{1000} \text{ ml} = \underline{3000} \text{ ml}$

(Do rest of parts yourself).

Combining Capacity.

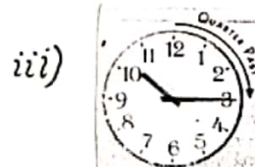
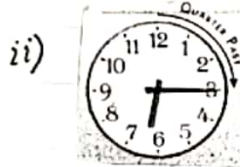
A) Add.

i)  = 2 l

ii)  = 4 l

(Do rest of parts yourself)
What is the time?

A) Write the time.



Half past 8	8:30
-------------	------

Quarter past 6	6:15
----------------	------

Quarter past 10	10:15
-----------------	-------



Quarter to 6	5:45
--------------	------

Quarter to 10	9:45
---------------	------

B) Draw the hands of the clock.

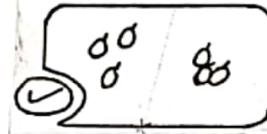
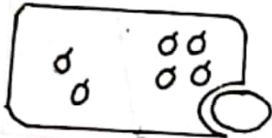
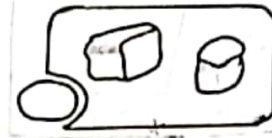


Quarter past 8	8:15
----------------	------

Quarter to 8	7:45
--------------	------

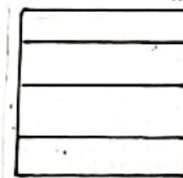
Topic: Fractions and PatternsChapter no: 09

A) Tick (✓) the pictures having two equal parts.

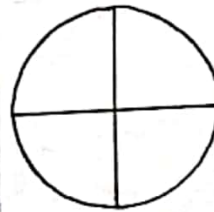
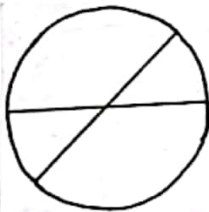


B) Tick (✓) the pictures having four equal shaded parts.

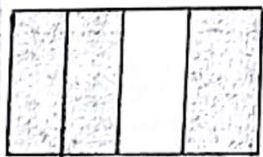
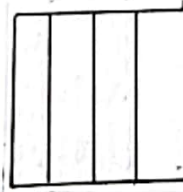
i)



ii)

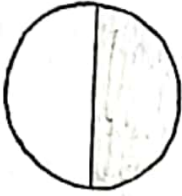


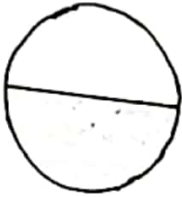
C) Tick (✓) the pictures representing $\frac{3}{4}$ of the whole.

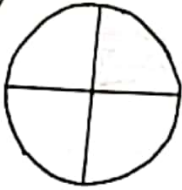


(Do rest of parts yourself).

D) Fill in the boxes.

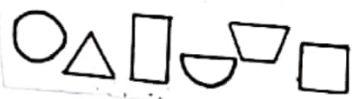
i)  = $\frac{1}{\boxed{2}}$

ii)  = $\frac{1}{\boxed{2}}$

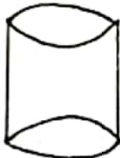
iii)  = $\frac{1}{\boxed{4}}$

(Do rest of parts yourself).
(Do part E yourself).

A) Draw the missing Patterns figures with the help of these clues.

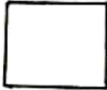


i)  = 

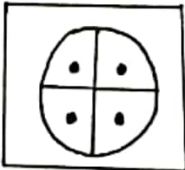
iv)  = 

ii)  = 

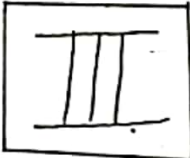
v)  = 

iii)  = 

B) Draw the next.

i)   

ii) A B 

iii) I II 

B1. Fill in the boxes.

a) $14 \div 2 = \boxed{7}$

- i) 6 ii) 7 iii) 8

b) A circle has $\boxed{0}$ corners.

- i) 2 ii) 3 iii) 0

c) A handkerchief is an example of a $\boxed{\text{square}}$.

- i) Rectangle ii) Square iii) Circle.

d) A cube has $\boxed{6}$ flat surfaces.

- i) 4 ii) 2 iii) 6

e) $\boxed{4}$ fifty paise coins make 2 rupees.

- i) 6 ii) 4 iii) 8

f) Length is measured in $\boxed{\text{metre}}$.

- i) gram ii) litre iii) Metre.

g) $2\text{ l} = \boxed{2000}$ ml.

- i) 500 ml ii) 1000 ml iii) 2000 ml.

h) February comes just before $\boxed{\text{march}}$.

- i) january ii) March iii) December.

b) Write the number of days in the following months.

i) September = $\underline{30}$

ii) June = $\underline{30}$

iii) March = $\underline{31}$

iv) january = $\underline{31}$

c) Fill in the blanks using one of these words.

Cuboid, sphere, Cylinder, Cone.

i) A Cuboid has 8 corners.

ii) A Cylinder has 2 faces.

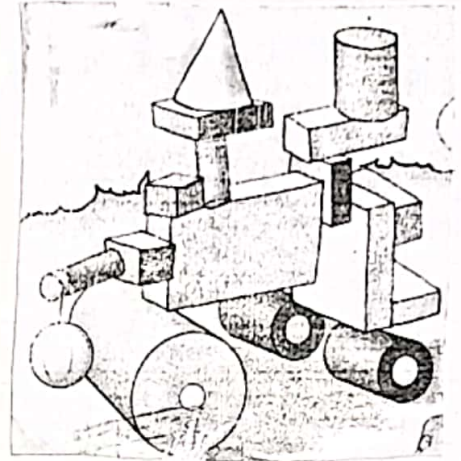
iii) A Cone has 2 edges.

iv) A Sphere has no edges and no corner.

Geometry (Pg. no. 117).

Q. Find the number of cuboids, cubes, cones and cylinders in the following toy.

- i) Cuboids = 7
 ii) cubes = 2
 iii) cones = 1
 iv) cylinders = 6
 v) Spheres = 1



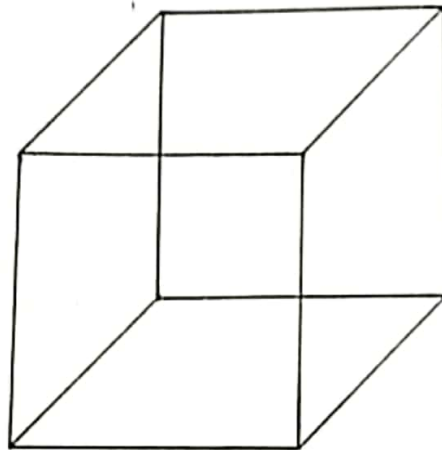
(Maths A notebook work)

<u>Table of "10"</u>	<u>Dodging table of "10"</u>	<u>Table of "11"</u>	<u>Dodging table of "11"</u>
$10 \times 1 = 10$	$10 \times 10 = 100$	$11 \times 1 = 11$	$11 \times 5 = 55$
$10 \times 2 = 20$	$10 \times 6 = 60$	$11 \times 2 = 22$	$11 \times 14 = 154$
$10 \times 3 = 30$	$10 \times 13 = 130$	$11 \times 3 = 33$	$11 \times 17 = 187$
$10 \times 4 = 40$	$10 \times 17 = 170$	$11 \times 4 = 44$	$11 \times 11 = 121$
$10 \times 5 = 50$	$10 \times 1 = 10$	$11 \times 5 = 55$	$11 \times 2 = 22$
$10 \times 6 = 60$	$10 \times 16 = 160$	$11 \times 6 = 66$	$11 \times 7 = 77$
$10 \times 7 = 70$	$10 \times 20 = 200$	$11 \times 7 = 77$	$11 \times 19 = 209$
$10 \times 8 = 80$	$10 \times 2 = 20$	$11 \times 8 = 88$	$11 \times 1 = 11$
$10 \times 9 = 90$	$10 \times 9 = 90$	$11 \times 9 = 99$	$11 \times 12 = 132$
$10 \times 10 = 100$	$10 \times 12 = 120$	$11 \times 10 = 110$	$11 \times 16 = 176$
$10 \times 11 = 110$	$10 \times 18 = 180$	$11 \times 11 = 121$	$11 \times 6 = 66$
$10 \times 12 = 120$	$10 \times 3 = 30$	$11 \times 12 = 132$	$11 \times 13 = 143$
$10 \times 13 = 130$	$10 \times 8 = 80$	$11 \times 13 = 143$	$11 \times 9 = 99$
$10 \times 14 = 140$	$10 \times 14 = 140$	$11 \times 14 = 154$	$11 \times 3 = 33$
$10 \times 15 = 150$	$10 \times 4 = 40$	$11 \times 15 = 165$	$11 \times 15 = 165$
$10 \times 16 = 160$	$10 \times 11 = 110$	$11 \times 16 = 176$	$11 \times 20 = 220$
$10 \times 17 = 170$	$10 \times 19 = 190$	$11 \times 17 = 187$	$11 \times 18 = 198$
$10 \times 18 = 180$	$10 \times 5 = 50$	$11 \times 18 = 198$	$11 \times 4 = 44$
$10 \times 19 = 190$	$10 \times 15 = 150$	$11 \times 19 = 209$	$11 \times 10 = 110$
$10 \times 20 = 200$	$10 \times 7 = 70$	$11 \times 20 = 220$	$11 \times 8 = 88$

Maths B note-book work.

Q1. Draw and define a cube.

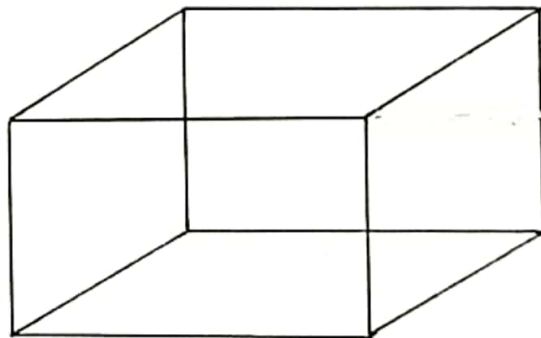
Ans. A cube is a solid shape with six flat surfaces which are equal. Example Dice.



Cube

Q2. Draw and define a cuboid.

Ans. A cuboid is a solid shape with six flat surfaces whose opposite faces are equal. Example Match-box.



Cuboid

Prepared by Miss Shahana.