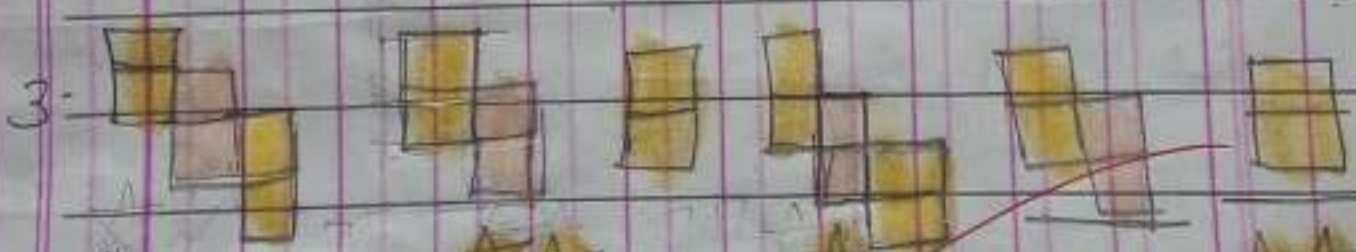
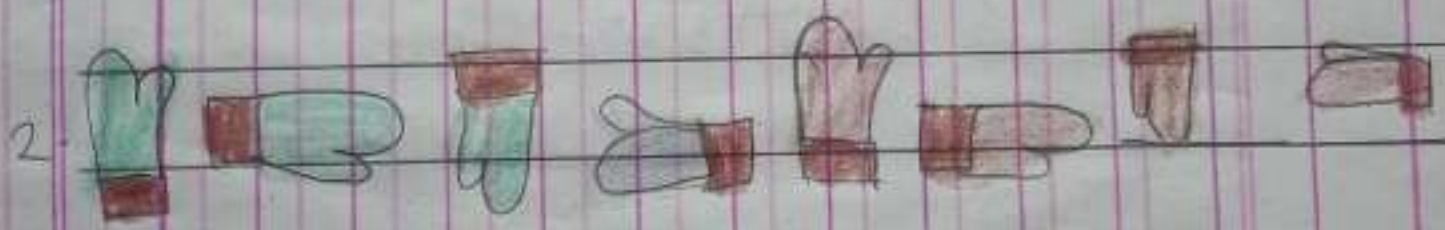


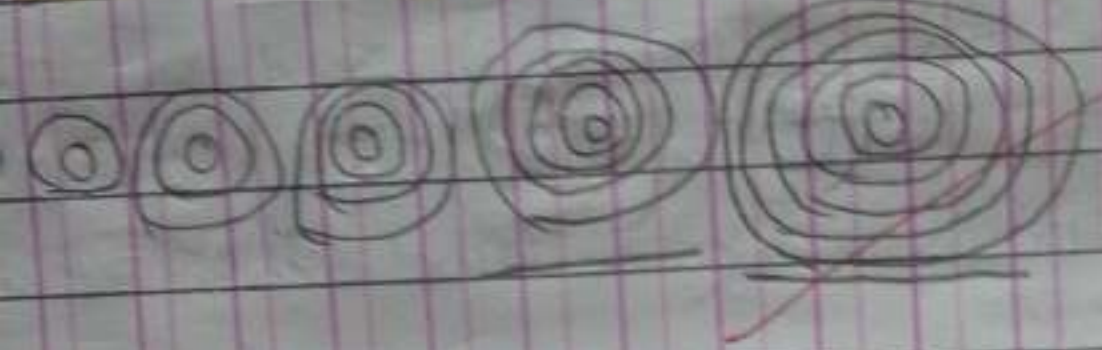
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Math
Chapter-9
Patterns
Ex - 9(b)

1. The patterns given below follow some rules. Identify them and draw the next two shapes.





MathNumber Patterns.

1. Identify the rules in these number patterns and continue them.

a. $12, 22, 32, 42, 52, 62, 72, 82$

b. $3, 5, 7, 9, 11, 13, 15, 17, 19, 21$

c. $7, 12, 17, 22, 27, 32, 37, 42$

d. $8, 16, 24, 32, 40, 48, 56, 64$

e. $1, 2, 4, 7, 11, 16, 22, 29, 37$

f. $44, 45, 48, 53, 60, 69, 80, 93, 108$

g. 3, 6, 9, 12, 15, 18, 21, 24, 27.

h. 18, 20, 24, 30, 38, 48, 60, 74, 90

FUN WITH PATTERNS!

A. Read the words level, madam, noon, and mom. They read the same forward and backward.

Such words are called palindromes.

Think of and write four more such words in the boxes given below.

Level, Madam, NOON, Mom

B. If $A=9$, $E=8$, $I=7$, $O=6$ and $U=5$, then what will the following say.

Y65 C9N WR7T8 ST6R78S

You can write stories

C- Look very carefully at the following!
What is the message?

PLEASE LOOK VERY CAREFULLY

PLEASE LOOK VERY CAREFULLY

THIS MESSAGE!

AT THIS MESSAGE.

Math.

Chapter - IIMeasuring LengthConcepts Recap

2. Estimate the lengths of the following objects. Tick (✓) the option which gives the closest estimate.

a. A pen 5 cm / 14 cm / 31 cm

b. A straw 22 cm / 5 cm / 42 cm

3. Height of table and lamp = 67 cm

Height of a lamp = 29 cm

Height of the table = 38 cm

Ans = 38 cm

9. Total height of rose plant after a month = 88 cm

Height it grew taller in a month = 19 cm

Length of plant before a month = 69 cm

Ans = 69 cm

5. Length of ribbon with shopkeeper = 98 cm

Ribbon sold by a shopkeeper = 50 cm

Length of ribbon left with the shopkeeper = 48 cm

Ans = 48 cm.

Math

Measuring Length

Ex - 11 (a)

3. Length of pipeline laid down last month, = 137

Length of pipeline laid down this month = 148 cm

Total length of pipeline laid down in = 285

Ans = 285 m

Two months

4. Length of electrical wire = 408 m

Length of wire used in a building = 229 m

Length of wire left with electrician = 179

Ans = 179 m

6. Height of Sangeeta's father = $1\text{ m } 73\text{ cm}$
Her mother is 11 cm shorter = 11 cm
Height of Sangeeta's mother = $1\text{ m } 62\text{ cm}$

Ans = ~~$1\text{ m } 62\text{ cm}$~~

Math

Measuring length

Ex - 11 (a)

5. The height of A building = 16 m 29 cm.
The height of B building = 21 m 58 cm
Height of both building = ~~37 m 87 cm~~

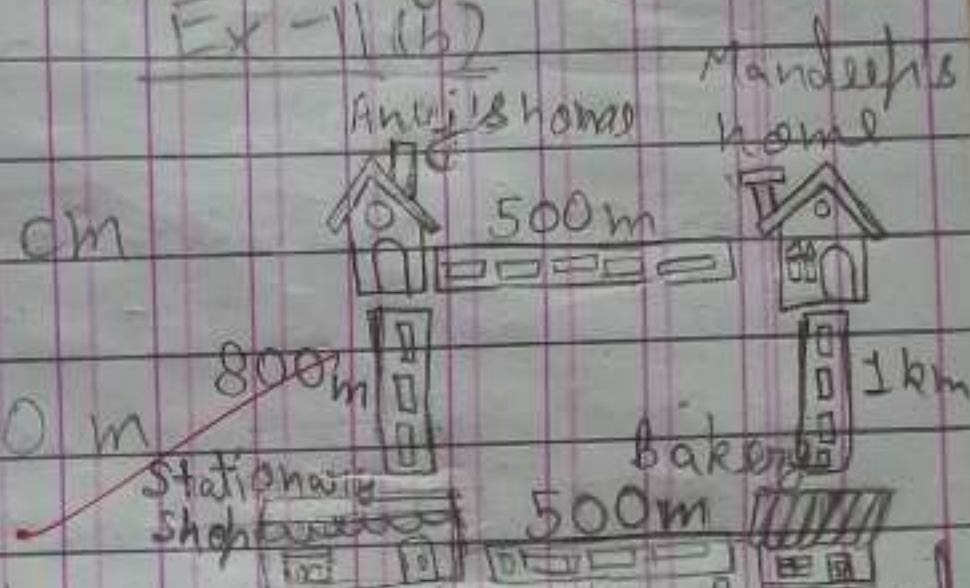
7. Mike Powell holds the world record = 8 m 95 cm
Galina Chistyakova holds the world record =
= 7 m 52 cm

Difference between the length of world
record = ~~1 m 43 cm~~

MathMeasuring LengthEx-1(b)

$$1 \text{ m} = 100 \text{ cm}$$

$$1 \text{ km} = 1000 \text{ m}$$



2. (a) Total distance travelled by Anuj and Mandee =

$$= 500 \text{ m} + 1 \text{ km} + 500 \text{ m} + 800 \text{ m}$$

$$= 2 \text{ km } 800 \text{ m}$$

(b) Total distance travelled by him this time

$$= 800 \text{ m} + 500 \text{ m} + 500 \text{ m} + 800 \text{ m}$$

$$= 1600 \text{ m} + 1000 \text{ m}$$

$$= 2600 \text{ m}$$

$$= 2 \text{ km } 600 \text{ m}$$

(c) Route A distance

$$= 500 \text{ m} + 800 \text{ m}$$

$$= 1300 \text{ m}$$

$$= 1 \text{ km } 300 \text{ m}$$

Route B distance = 1 km 500 m

Route A distance ^{is} shorter 1 km 300 m

3. New Delhi $\longrightarrow$ Agra $\longrightarrow$ Gwalior

Distance covered by car from New Delhi to Gwalior = 341 km

Difference from Gwalior to Agra = -119 km

Difference between New Delhi and Agra = 222 km

Ans = 222 km.

4. Distance travelled by him I day = 251 km

Distance travelled by him II day = +578

Total distance travelled by him = 829 km

~~Prishu~~
~~4/11/19~~

Maths.Ex - 12 ca)Measuring Weight

$$1 \text{ kg} = 1000 \text{ g}$$

- 2 - Weight of Priyanka's father = 79 kg
Weight of Priyanka = 39 kg
Weight of her brother = 41 kg

~~Ans - 41 kg.~~

- 3 - Weight Bottom lifted 2016 championship = 457 kg
Weight of Andy Bolton = 164 kg
More kilogram did he lift = 293 kg
than his own weight

~~Ans = 293 kg.~~

$$\begin{array}{r}
 \text{5. Weight of wheat flour} = 24 \text{ kg } 240 \text{ g} \\
 \text{Weight of rice} = +16 \text{ kg } 158 \text{ g} \\
 \hline
 \text{Total weight} = 40 \text{ kg } 398 \text{ g}
 \end{array}$$

Ans - ~~40 kg 398 g~~

$$\begin{array}{r}
 \text{6. Weight of second television} = 18 \text{ kg } 698 \text{ g} \\
 \text{Weight of first television} = 13 \text{ kg } 517 \text{ g} \\
 \hline
 \text{Difference} = 5 \text{ kg } 181 \text{ g}
 \end{array}$$

Ans - ~~Second television is heavier.~~

$$\begin{array}{r}
 \text{7. Weight of a pumpkin} = 12 \text{ kg } 189 \text{ g} \\
 \text{More weight than pumpkin} = +3 \text{ kg } 217 \text{ g} \\
 \hline
 \text{Weight of jackfruit} = 15 \text{ kg } 406 \text{ g}
 \end{array}$$

Ans - ~~15 kg 406 g~~

$$\begin{array}{r}
 \text{8. Sugar owner had} = 14 \text{ kg } 142 \text{ g}
 \end{array}$$

$$\begin{array}{r}
 \text{Sugar owner ordered during diwali} = +45 \text{ kg } 255 \text{ g} \\
 \hline
 \text{Total sugar collects} = 59 \text{ kg } 397 \text{ g}
 \end{array}$$

Ans = ~~59 kg 397 g~~