

Maths Assignment

Date: 13-April-2026

Day: Monday

Question : 1

(A) Find the missing terms

1. 2, 3, 6, 4, 5, 20, 6, 3, 18

$$2 \times 3 = 6$$

$$4 \times 5 = 20$$

$$\textcircled{6} \times 3 = 18$$

2. 1, 3, 9, 15, 25, 35, 49

$$(1)^2$$

$$(3)^2$$

$$(5)^2$$

$$(7)^2$$

$$1 \times 3$$

$$3 \times 5$$

$$5 \times 7$$

3. 2, 7, 10, 22, ~~18~~, 37, 26, 52

$$+8$$

$$+8$$

$$+8$$

$$+15$$

$$+15$$

$$+15$$

$$\begin{array}{r} 37 \\ +15 \\ \hline \end{array}$$

$$52$$

4. 34, 7, 37, 14, 40, 28, 43, 56

$$+3$$

$$+3$$

$$+3$$

$$7 \times 2$$

$$14 \times 2$$

$$28 \times 2$$

$$\begin{array}{r} 28 \\ \times 2 \\ \hline \end{array}$$

$$56$$

5. 5, 7, 11, 13, 17, 19

$$+2$$

$$+4$$

$$+2$$

$$+4$$

$$+2$$

explain the logic in the form of statements.....

Date: _____

Day: _____

Question : 2

Find the missing terms in the following

(i) 2, 4, 12, 48, 240 ?

$$\begin{array}{cccc} & \diagdown & / & \diagdown & / & \diagdown & / & \diagdown & / \\ & & & & & & & & \\ & \times 2 & \times 3 & \times 4 & \times 5 & & & & \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \\ \times 5 \\ \hline 240 \end{array}$$

240

(ii) 5, 10, 13, ~~26~~, 29, 58, 61, 122 ?

$$\begin{array}{cccccc} & \diagdown & / & \diagdown & / & \diagdown & / & \diagdown & / \\ & & & & & & & & \\ & \times 2 & + 3 & \times 2 & + 3 & \times 2 & + 3 & \times 2 & \end{array}$$

(iii) 15, 19, 28, 44, 69, 105

$$\begin{array}{cccc} & \diagdown & / & \diagdown & / & \diagdown & / \\ & & & & & & \\ & + 4 & + 9 & + 16 & + 25 & + 36 & \end{array}$$

$$\begin{array}{cccc} (2)^2 & (3)^2 & (4)^2 & (5)^2 & (6)^2 \end{array}$$

(iv) B, E, K, W, U ?

2, 5, 11, 23

$$\begin{array}{cccc} & \diagdown & / & \diagdown & / & \diagdown & / \\ & & & & & & \\ & + 3 & + 6 & + 12 & + 24 & & \end{array}$$

$$\begin{array}{r} 47 \\ - 26 \\ \hline 21 \end{array}$$

(v) $\{(476 + 424)^2 - 4 \times 476 \times 424\} = ?$

$$= (900)^2 - 4 \times 476 \times 424$$

$$= 810000 - 807296$$

$$810000 - 807296 = 2704$$

$$\begin{array}{r} 810000 \\ - 807296 \\ \hline 2704 \end{array}$$

002704

Ans

Salman Paper Product

$$\begin{array}{r} 900 \\ \times 900 \\ \hline 810000 \end{array}$$

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Day: _____

Alphabetical Series :-

1. BCB, DED, FGF, HIH, JKJ
2. QPO, NML, KJI, HGF, EDC
3. SCD, TEF, UGH, VIJ, WKL
4. QAR, RAS, SAT, TAU, UAV
5. JAK, KBL, LCM, MDN, NEO
6. ELFA, GLHA, ILJA, KLLA, MLNA

Coding / Decoding

(i) PAKISTAN : SCLIRRXJ
+2 +2 +1 0 -1 -2 -3 -4
SCLIRRXJ

PESHAWAR
+3 +2 +1 0 -1 -2 -3 -4
SGTHZUXN

Hence, the code for PESHAWAR
is SGTHZUXN

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Date: _____

Day: _____

C E R T A I N : B F Q U Z J M

3 5 18 20 1 9 14 26 17 21 26 10 13

~~M U N D A N E :~~

L V M E Z M D

Question:

Look at this series:

F2, E4, D8, C16; B32

what number should fill the blank?

Question:

In a certain language LANDMIN is written as PYRBQGR. How will HOMEMADE be written in the code language?

L A N D M I N E

12 2 14 4 13 9 14 5

~~P Y R B Q G R C~~

16 25 14 2 17 7 18 3

Date: _____

Day: _____

H O M E M A D E

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

L M Q C O Y H C

Hence: The code for

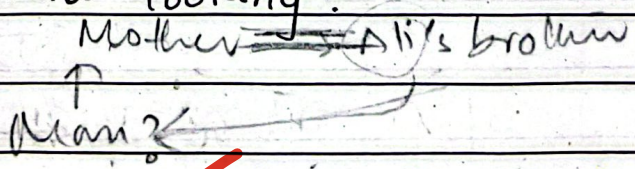
HOMEMADE is ~~LEOBYHB~~
LMQCQYHC

Blood Relation :-

1. Pointing at a photo, Danish said, "His father is the only son of my mother". The photo belongs to?

The photo belongs to Danish himself.

2. Looking at a portrait of a man, Ali said, "His mother is the wife of my father's son. Brother and sister I have none." At whose portrait was Ali looking?



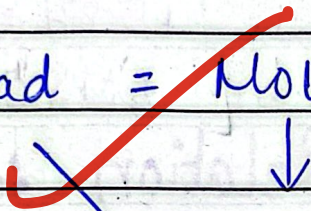
Ali is the paternal uncle of that man. so, he is looking at his niece picture.

Date: _____

Day: _____

3. If Ahmad says, "Afsha's mother is the only daughter of my mother," how is Ahmad related to Afsha?

Ahmad = Mother



Afsha

Ahmad is maternal uncle of Afsha.

