



Image credit: Pixabay

Two satellites of a planet start revolving around the planet at the same time on circular tracks. The second satellite is two times far away from the centre with respect to the first one. The first satellite can complete a full circle around the planet in six minutes, and the second satellite in four minutes. In how many minutes will the second satellite overtake the first?

Solutions to the Puzzles Published in June 2021

SEARCH THE WORDS RELATED TO COVID-19

	20↓ E	14→ V	E	N	T	12↓ I	L	A	T	O	R		7↓ E	
	N			10→ M	A	S	K						P	
	D	2↓ D	E	N	R	O	B	R	I	4← A			I	E
1→ A 19↓	E	R	O	S	O	L							D	N
N	M	O	R	O	T	A	R	I	P	S	E	13← R	E	I
T	I	P	N	O	I	T	A	G	I	T	I	9← M	M	T
I	C	L				I				21↓ M		22↓ V	I	N
G		E		15→ W	H	O		C		O		A	O	A
E		T				N	I			R		C	L	R
N	3→ A	S	Y	M	P	T	O	M	A	T	I	C	O	A
S					O					A		I	G	U
8→ I	M	M	U	N	I	T	Y			L		N	Y	Q 11↑
			O		C	I	M	E	D	I	P	5← E	P	17← P
		O	S	E	I	D	O	B	I	T	N	18← A		
	16/ Z	6→ P	A	N	D	E	M	I	C	Y				

SPOT THE CREWED SPACECRAFT NAMES

(Spacecraft currently operational,
former and in development)

A	P	P	O	L	L	O	O	A	I	L	R	M	G
E	A	S	P	A	C	E	S	H	U	T	T	L	E
S	O	Y	U	Z	G	G	G	E	M	N	I	L	M
H	M	O	S	L	K	A	O	R	U	V	S	V	I
E	E	R	R	C	R	E	W	D	R	A	G	O	N
N	R	I	G	T	A	L	T	B	R	C	O	S	I
Z	C	S	T	A	R	L	I	N	E	R	N	K	K
H	U	O	D	I	G	I	T	M	S	R	I	H	H
O	R	I	O	N	R	N	S	T	A	I	V	O	J
U	Y	N	J	E	E	A	P	O	L	L	O	D	H
T	T	A	F	D	S	R	Y	U	L	I	S	K	F
H	E	N	E	S	T	S	H	P	A	N	T	J	S
S	P	A	C	E	S	H	I	P	T	W	O	I	B
G	N	B	Q	T	E	T	F	E	A	E	K	L	A

MATCH THE FOLLOWING

Indian satellites and their applications

CARTOSAT-3	Space Science
Chandrayaan-2	Student Satellite
RISAT-2B	Navigation
GSAT-11	Disaster Management System, Earth Observation
IRNSS-1I	Communication
SCATSAT-1	Climate & Environment
ASTROSAT	Education
YOUTHSAT	Planetary Observation
EDUSAT	Earth Observation

Solution to the Crossword Published in June 2021

1S	E	X	2T	A	3N	T		4I				5L			
E			O		A			N		6C		E			
I			T		7T	E	L	N	E	T	A		V		
8S	O	N	A	R	R			9P		10R	O	C	K	E	T
M			L		O			O		T		H		R	
O			I		N			L		I		11E	C	H	O
G	12E	N	T	R	O	P	Y		A						
R			Y					Y	C	O	14L	O	G	Y	
A				15F	U	S	E				U				
P								R				M			16E
17H	Y	D	18R	O	P	O	N	I	C	S	E				N
			E									N			Z
			L			19V	I	S	C	O	S	I	T	Y	
20P	O	L	A	R	I	S									M
			Y		21B	R	O	W	S	E	R				E

UNSCRAMBLE THE SCRAMBLED TERMS RELATED TO ECOSYSTEM

1. TERRESTRIAL
2. AQUATIC
3. BIOTIC
4. ABIOTIC
5. FOOD CHAIN

SOLVE THE RIDDLES

1. Answer: 20 times. (8, 18, 28, 38, 48, 58, 68, 78, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 98)

2. Answer

- i. Take the rabbit.
- ii. Return to the shore.
- iii. Take the vegetable and keep it safe.
- iv. Return with the rabbit.
- v. Take the cat.
- vi. Return to the shore and keep it safe.
- vii. Take the rabbit.