

# MENTAL ABILITY

1. There are 3 sweets in one packet. How many sweets will be there in 9 packets?

- (1) 12
- (2)\*27
- (3) 9
- (4) 3

2. \_\_\_\_\_ is 200 more than 546.

- (1) 346
- (2) 446
- (3) 646
- (4)\*746

3. How much money is there?



- (1) 5
- (2)\*7
- (3) 9
- (4) 11

4. I have a three in the units place. I am greater than 53 but less than 70. What number am I?

- (1) 70
- (2) 65
- (3)\*63
- (4) 60

5. Which odd number comes next?

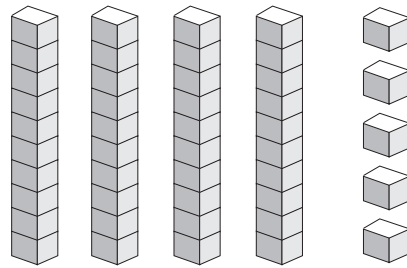
3, 5, 7,

- (1) 13
- (2) 11
- (3)\*9
- (4) 15

6. Which is not a way to show 87?

- (1) 8 tens 7 ones
- (2)  $80 + 7$
- (3)\* $8 + 7$
- (4) 7 tens 17 ones

7. Which of the following number sentences is shown by the given figure?



- (1)\*4 tens 5 ones
- (2) 3 tens 5 ones
- (3) 2 tens 10 ones
- (4) 2 tens 5 ones

8. One starfish has 5 arms. How many arms do 7 starfish have?

- (1) 15
- (2)\*35
- (3) 25
- (4) 3



9. What would be the next number if the numbers are greatest to least?

134, 132, 130, 128, \_\_\_\_\_

- (1) 130
- (2) 132
- (3) 135
- (4)\*126

10. What time will clock show in 10 minutes?

- (1) 2:20
- (2) 2:30
- (3)\*2:35
- (4) 3:20



# SPACE SCIENCE

11. Which is not a planet?

(1)



Venus

(2)\*



Pluto

(3)



Jupiter

(4)



Mars

12. What is the Moon made out of?

(1)



(2)



(3)



(4)\*



13. Day and night is created by the way the Earth moves around the sun. What is this movement called?

(1)\*Rotation

(2) Phases

(3) Seasons

(4) Solar system

14. Objects in space made up of hot gases, like the sun, are called

(1)



Planet

(2)



Moon

(3)



Rocks

(4)\*



Stars

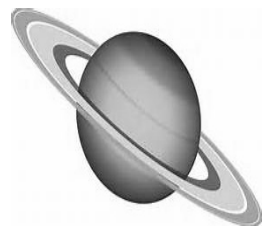
15. Which is the largest planet in the solar system?

(1)\*



Jupiter

(2)



Saturn

(3)



Mars

(4)



Neptune

16. What is the imaginary line that the Earth spins on called?

(1)\*Axis

(2) Orbit

(3) Rotation

(4) Phase

17. Which female astronaut spent the maximum time in space?

(1)



Lisa Norwak

(2)



Kalpana Chawla

(3)\*



Sunita Williams

(4)



Sally Ride

18. How long does the Earth take to revolve around the Sun?

(1) One month

(2)\* One year

(3) One week

(4) One day

19. The brightest object in the sky is

(1)



Moon

(2)\*



Sun

(3)



Earth

(4) All of these

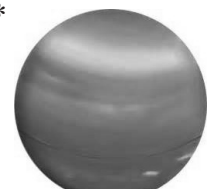
20. The coldest planet in the solar system is

(1)



Jupiter

(2)\*



Uranus

(3)



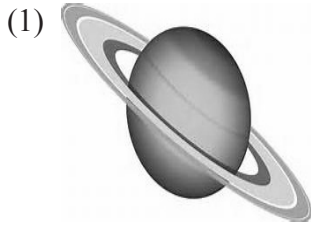
Earth

(4)

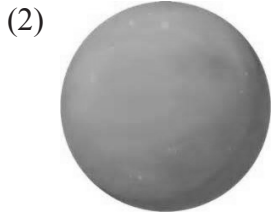


Mars

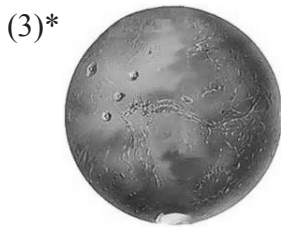
21. The planet with the nickname “The Red Planet” is



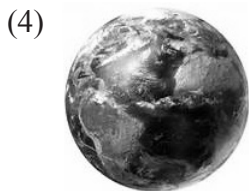
Saturn



Neptune



Mars

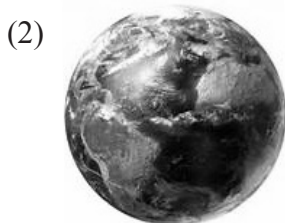


Earth

22. Planet which is so light, it could float in water.



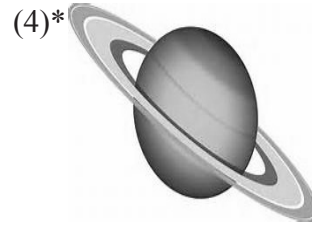
Jupiter



Earth

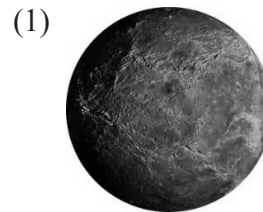


Mars

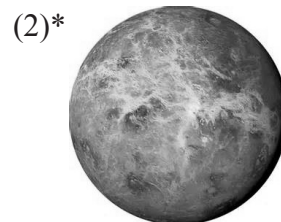


Saturn

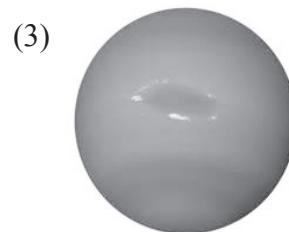
23. Which planet is usually the brightest in the sky?



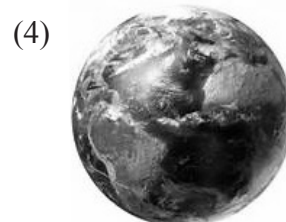
Mercury



Venus



Uranus

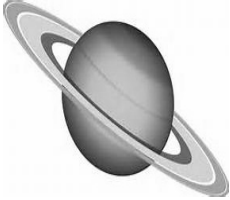




Earth


24. How many moons does Mars have?

- (1) 13
- (2) 50
- (3)\*2
- (4) 1

25. Which planet has the largest asteroid belt?

- (1)\*  Saturn
- (2)  Venus

- (3)  Jupiter



- (4)  Mars



## INTERACTIVE SECTION

26. Which of the following is not a season of the year?

- (1) Autumn
- (2) Winter
- (3) Summer
- (4)\* Snow

27. During which phase of the Moon can we not see it in the sky?

- (1)  First Quarter moon
- (2)  Full moon

- (3)  Last Quarter moon
- (4)\*  New moon

28. Which of these do not make up the Solar System?

- (1) Nine planets
- (2) Comets
- (3)\* Constellations
- (4) All of these

29. What shape are the Earth, Sun and Moon?


- (1)  Round and flat


- (2)  Cuboid


- (3)\*  Roughly spherical

- (4) All of these

30. Which is largest, the Earth, Sun or Moon?

- (1)  Earth

- (2)\*  Sun

- (3)  Moon

- (4) All are equal

31. How long does it take the Earth to turn once on its axis?

- (1)\*24 hours
- (2) 12 hours
- (3) 6 hours
- (4) 3 hours

32. Which part of the Earth is in daylight?

- (1)\*The part facing the Sun
- (2) The part facing away from the Sun
- (3) The part facing the Moon
- (4) The part facing away from the Moon

33. Imagine you were standing underneath a tree. When would the shadow of the tree be shortest?

- (1) At sunrise
- (2)\* At midday
- (3) At sunset
- (4) At night

34. Which of the following use the sun's energy to make their own food?

(1)\*



Green plants

(2)



Mouse

(3)



Moon

(4) All of these

35. What colour is Uranus?

- (1) Pink
- (2)\* Blue
- (3) Green
- (4) Grey

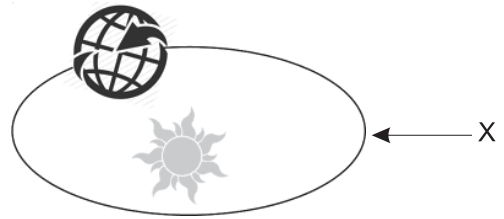
36. Astronauts talk to each other by \_\_\_\_\_

- (1) Yelling
- (2)\* Radio
- (3) Microphone
- (4) Whispering

37. The \_\_\_\_\_ made the first rockets.

- (1) Russians
- (2) Greeks
- (3) Americans
- (4)\* Chinese

38. Identify 'X' in the given figure.



- (1)\*Orbit
- (2) Galaxy
- (3) Eclipse
- (4) Circle

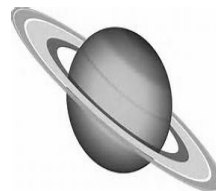
39. The picture given shows the \_\_\_\_\_ moon in the night sky.

- (1) New
- (2) Full
- (3) Half
- (4)\*Crescent



40. What is the planet fifth from the sun?

(1)



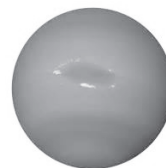
Saturn

(2)\*



Jupiter

(3)



Uranus

(4)



Neptune

\* denotes answer.



**END OF THE EXAM**