

N V M H

National Vedic Maths Hunt

Duration: 40 min

Max Marks: 120

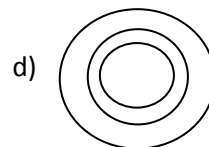
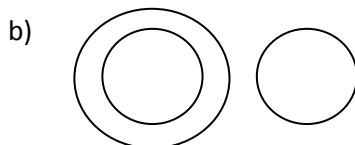
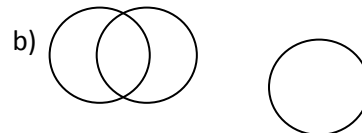
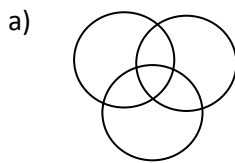


INSTRUCTIONS

- 1) This question paper contains 30 questions.
- 2) For each correct answer 4 marks will be awarded. There is no negative marking, for each unattempted question zero marks will be awarded.
- 3) Use the provided OMR-sheet for answering.
- 4) use HB Pencil/Pen to darken the circles.
- 5) If you wish to change your answer, erase the already darkened circle completely and then darken the appropriate circle.
- 6) Use of calculator and mobile phone is strictly prohibited during the exam.



- 1) How many times in a day, the two hands of a clock coincide?
a) 11 b) 12 c) 22 d) 24
- 2) Select from the given diagrams, the one that illustrates the relationship among the given three classes: *Judge, Thief, Criminal*



Questions 3 to 5: Find which one word cannot be made from the letters of the given word.

- 3) UNCONSCIOUS
a) SON b) COIN c) SUN d) NOSE
- 4) TRANQUILITY
a) QUILT b) TRINITY c) TRAIN d) TRIANGLE
- 5) INTERNATIONAL
a) ORIENTAL b) TERMINAL c) LATTER d) RATIOANLE
- 6) Suraj went to movie nine days ago. He goes to the movies only on Thursday. What day of the week is today?
a) Thursday b) Saturday c) Sunday d) Tuesday
- 7) If the seventh day of the month is three days earlier than Friday, what day will it be on the nineteenth day of the month?
a) Sunday b) Monday c) Wednesday d) Friday

- 8) If $+$ means \div , $-$ means \times , \div means $+$ and \times means $-$, then the value of $36 \times 12 + 4 \div 6 + 2 - 3$ when simplified is
- a) 2 b) 18 c) 42 d) $6\frac{1}{2}$
- 9) A certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses' back while the remaining ones are walking along leading their horses. If the number of legs walking on the ground is 70, how many horses are there?
- a) 10 b) 12 c) 14 d) 16

Questions 10 and 11: Find out the missing number that must replace the question mark.

10)

5	3	16
9	5	46
7	8	?

- a) 16 b) 56 c) 55 d) 57

11)

11	3	49
5	19	?
7	13	100

- a) 96 b) 120 c) 144 d) 169

Questions 12-20

Please read the given context carefully.

Multiplying any number by 13 is a tedious task, however vedic maths simplifies it and brings it in a easier way.

Step 1: To multiply any number by 13 put a zero in front of and at the end of number.

Step 2: Multiply the second last digit of the number by 3 and add it to the previous digit.

Step 3: Write the units digit of the answer so obtained and carry forward the other places digits.

Step 4: Multiply the next place digit by 3 and add it to the previous place digit, add the carry over obtained (if any) to this and write the units place of the answer obtained and carry forward the rest

Step 5: Continue with the same until you reach the zero in front of the number

Example

$$2456 \times 13$$

Step 1: 024560

Step 2: $3 \times 6 = 18 \longrightarrow 18 + 0 = 18$

Step 3: Ans _ _ _ _ 8 carry: 1

Step 4: $3 \times 5 = 15 \longrightarrow 15 + 6$ (previous digit) $= 21 \longrightarrow 21 + 1$ (carry) $= 22$

Step 5: Ans _ _ _ 2 8 carry: 2

Step 6: $3 \times 4 = 12 \longrightarrow 12 + 5$ (previous digit) $= 17 \longrightarrow 17 + 2$ (carry) $= 19$

Step 7: Ans _ _ 9 2 8 carry: 1

Step 8: $3 \times 2 = 6 \longrightarrow 6 + 4$ (previous digit) $= 10 \longrightarrow 10 + 1$ (carry) $= 11$

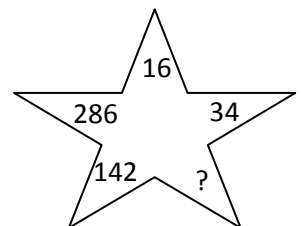
Step 9: Ans _ 1 9 2 8 carry: 1

Step 10: $3 \times 0 = 0 \longrightarrow 0 + 2$ (previous digit) $= 2 \longrightarrow 2 + 1 = 3$

Step 11: Ans 3 1 9 2 8

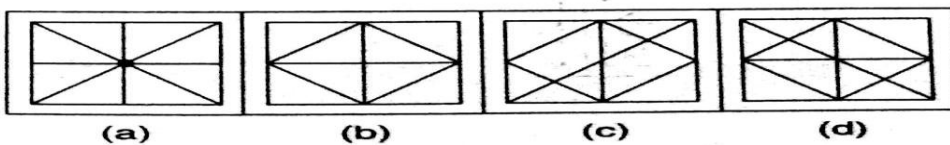
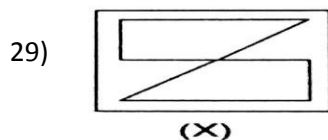
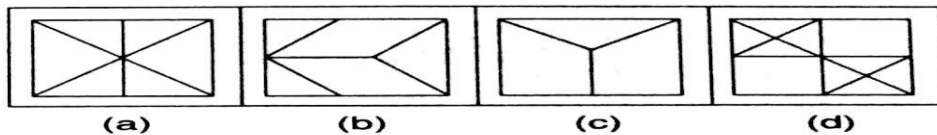
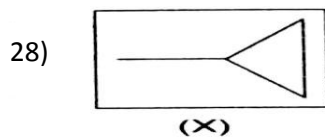
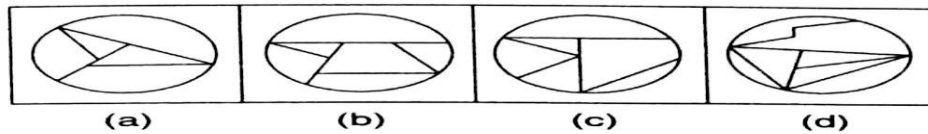
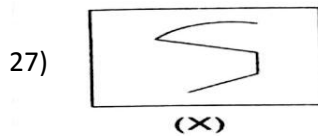
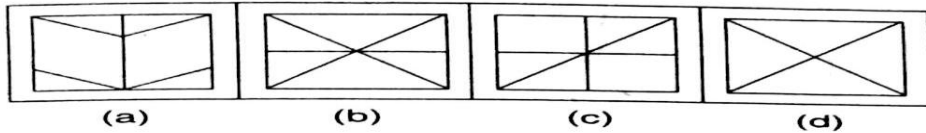
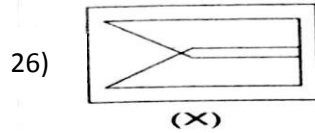
Multiply the given numbers by 13 and choose the correct response

- 12) 2848947
a) 37036322 b) 37036311 c) 38826842 d) None of these
- 13) 38832285335
a) 504819709355 b) 540879109355 c) 65656567588 d) None of these
- 14) 893473896
a) 14615160648 b) 11615160648 c) 11615160468 d) None of these
- 15) 35295052309
a) 45883568345 b) 45883546789 c) 458835680017 d) None of these
- 16) 9734
a) 123456 b) 437672 c) 126542 d) None of these
- 17) 675048
a) 8775624 b) 3828748 c) 8775634 d) None of these
- 18) 483590
a) 8372844 b) 2314848 c) 6286670 d) None of these
- 19) 487970423
a) 8414856985 b) 6343615499 c) 82194652896 d) None of these
- 20) 47934
a) 62314268 b) 8449849 c) 3843882 d) None of these
- 21) Find a wrong number in the given series
5, 27, 61, 122, 213, 340, 509
a) 27 b) 61 c) 122 d) 509
- 22) Find the next number in the given series
840, 168, 42, 14, 7
a) 1 b) 7 c) 9 d) 3
- 23) One evening before sunset, two friends Sumit and Mohit were talking to each other face to face. If Mohit's shadow was exactly to his right side, which direction was Sumit facing?
a) North b) South c) West d) None of these
- 24) Find the next number in the given series
C 4 X, F 9 U, I 16 R, _ _ _
a) K 25 P b) L 25 P
c) L 25 O d) L 27 P
- 25) Find the missing number in the figure
a) 72 b) 70 c) 68 d) 66

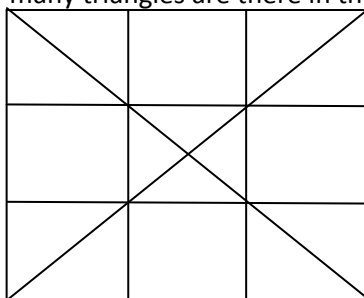


Questions 26 -24:

A Figure (X) is given, followed by four complex figures in such a way that Figure (X) is embedded in one of them. Choose that one.



30) How many triangles are there in the given figure?



a) 16

b) 18

c) 20

d) None of these

Answers

Q1.d Q2.b Q3.d Q4.d Q5.b Q6.b Q7.a Q8.c Q9.c Q10.c Q11.c Q12.b Q13.a Q14.b
Q15.c Q16.c Q17.a Q18.c Q19.b Q20.d Q21.a Q22.b Q23.b Q24.c Q25.b Q26.b
Q27.b Q28.b Q29.a Q30.d