SASMO 2025 Mock Tests
Grade: 4
Time allowed: 90 minutes
PRACTICE TEST 1

INSTRUCTIONS. Please read all the instructions below carefully.

a) **DO NOT OPEN** the contest booklet until the Proctor has given permission to start.

b) **TIME: 1 hour 30 minutes.**

c) There are 25 questions.

- **Section A:** Questions 1 to 15 score 2 points each, no points are deducted for an unanswered question and 1 point is deducted for the wrong answer.
- **Section B:** Questions 16 to 25 score 4 points each, no points are deducted for an unanswered or wrong answer.

d) Shade your answers neatly using a **2B lead pencil** in the Answer Entry Sheet.

e) **PROCTORING:** No one may help any student in any way during the contest.

f) No electronic devices capable of storing and displaying visual information are allowed during the course of the exam.

g) Strictly **No Calculators** are allowed into the exam.

h) All students must fill and shade their **Name, School and Index Number** in the Answer Entry Sheet and Contest booklet.

i) **MINIMUM TIME:** Students must stay in the exam hall for at least 1 hour.

j) **No exam papers and written notes can be taken out by any contestant.**

GOOD LUCK!

A SECTION A (CORRECT ANSWER = 2 MARKS; NO ANSWER = 0; INCORRECT ANSWER = MINUS 1 MARKS)

Question 1. Find the value of

$$2 + 7 + 12 + \ldots + 192 + 197$$

(A) 3980. (B) 3680. (C) 3890. (D) 3610. (E) 3982.

Question 2. Four numbers are written in a row. The average of the first 2 numbers is 10. The average of the last two numbers is 22 and the average of the first and last numbers is 14 . Find the average of the two middle numbers.

(A) 18. (B) 25. (C) 22. (D) 36. (E) 14.

Question 3. How many natural numbers from 1 to 100 are not divisible by 5 or 7 ?

(A) 68. (B) 66. (C) 76. (D) 78. (E) 80 .

Question 4. Find the value of

$$\frac{\frac{4}{\frac{9}{2}}}{3}$$

(A) $\frac{3}{2}$. (B) $\frac{3}{4}$. (C) $\frac{3}{6}$. (D) $\frac{2}{3}$. (E) $\frac{3}{18}$.

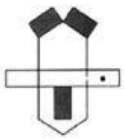
Question 5.

$$\begin{array}{cccc} & & A & 8 \\ \times & & & 8 \\ \hline & B & C & C \end{array}$$

Find the sum of $A + B + C$ if different letters stand for different digits.

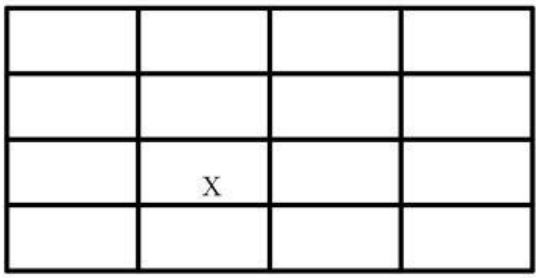
(A) 15. (B) 12. (C) 10. (D) 8. (E) 7.

Question 6. The picture on the right has been drawn on paper and cut out to make a house. Which of the houses did it become?



(A) A. (B) B. (C) C. (D) D. (E) E.

Question 7. The following picture shows a 4×4 square. How many squares of any sizes are there comprised of the one marked with **X** ?



(A) 1. (B) 4. (C) 5. (D) 10. (E) 16.

Question 8.

$$\begin{array}{cccc} & A & 5 & B \\ - & & C & 9 \\ \hline & 2 & 9 & 9 \end{array}$$

Find the value of $A5B + C9$.

(A) 400. (B) 417. (C) 444. (D) 527. (E) 544.

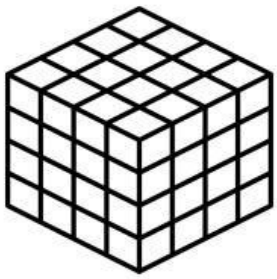
Question 9. Sarah and Rose have few pencils. Two-fifths of Sarah's pencils and eight-ninths of Rose's pencils are both 40 each. Who has more pencils and by how much?

(A) Sarah, 40. (B) Rose, 40. (C) Sarah, 50. (D) Rose, 50. (E) Sarah, 55.

Question 10. What is 3 weeks before 16$^{\text{th}}$ January?

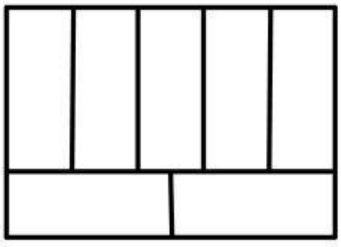
(A) 16$^{\text{th}}$ February. (B) 16$^{\text{th}}$ December. (C) 26$^{\text{th}}$ February.
(D) 26$^{\text{th}}$ November. (E) 26$^{\text{th}}$ December.

Question 11. The following $4 \times 4 \times 4$ cube is painted red on all its faces. Find the number of smaller cubes with at most two faces painted.



(A) 8. (B) 16. (C) 24. (D) 36. (E) 56.

Question 12. Find the area of the figure below which is made up of 7 identical rectangles of length 15 cm.

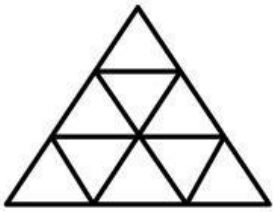


(A) 670. (B) 630. (C) 620. (D) 617. (E) 625.

Question 13. Two regular 6-sided dice were thrown on the ground. All the numbers visible on the dice were added. The sum of numbers on all the visible faces was 31 . What is the difference between the numbers facing the ground?

(A) 0. (B) 1. (C) 2. (D) 3. (E) 4.

Question 14. How many triangles are there in the figure?



(A) 13 triangles. (B) 9 triangles. (C) 12 triangles. (D) 24 triangles. (E) 23 triangles.

Question 15. Ann read a book with 1000 pages. How many digits were used to print the page numbers on the book?

(A) 3000. (B) 2550. (C) 2987. (D) 3193. (E) 2893.

B SECTION B: CORRECT ANSWER = 4 MARKS; INCORRECT OR NO ANSWER = 0

Question 16. Sam filled up some boxes with sweets. If he put 5 sweets in each box, he was left with 4 extra sweets. If he put 6 sweets in each box, the last box would have only 2 sweets. Find the number of sweets Sam had.

Question 17. When the product of 9 and a number is divided by 4 and then multiplied by 25, the result is 19800. Find the number.

Question 18. What is the largest possible value of 'm' in 653 m2 such that it is divisible by 3? Given that m is a single digit number?

Question 19. A five-digit number is formed such that it satisfies the following conditions:

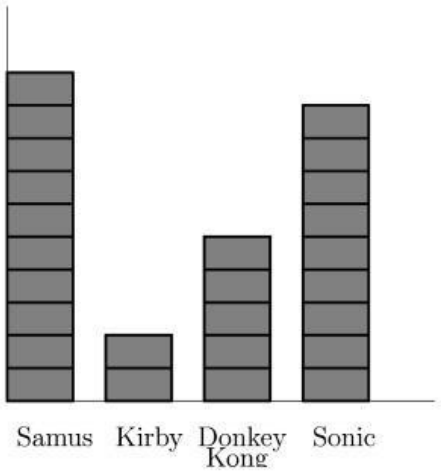
- It is a multiple of 3 and 5 .
- The third digit is half of the first digit and one less than the second digit.
- The sum of the first three digits is 13 and the sum of the last three digits is 8 .
- The fourth digit is the second-largest digit of that number.

Find the sum of digits of that number.

Question 20. The king and his messengers are travelling from the castle to the summer palace at a speed of 5 km/h. Along the way, the king sends a messenger back to the castle; and one hour later, he sends back another messenger. If the messengers travel at a speed of 10 km/h, what is the time between their arrivals at the castle?

Question 21. 16 trees are planted on one side of the road. Two cars are parked between every two trees. How many cars are there?

Question 22. A game website asked its viewers which game character was their favorite and recorded the answers in the bar graph below. Use their graph to answer the questions. (Each small rectangle is 1 vote.)



What is the combined number of people who liked Sonic and Samus?

Question 23. Find the value of the digit at the ones place of the following expression:

$$100 \times 102 \times 104 \times 106 \times 108 - 99 \times 101 \times 103 \times 105 \times 107$$

Question 24. On Kiki Island, hidden treasure was found to be stolen. 4 villagers were questioned. Each villager gave two statements where one was the truth and the other was the lie.

a) Tina: I did not steal the money. Tom stole the money.

b) Tom: I did not steal the money. Tim did not do it either.

c) Tim: Tom did not steal the money. Ted is the culprit.

d) Ted: I did not steal the money. Tina stole the money.

Who was the culprit? In your answer sheet, shade 0001 for Tina, 0002 for Tom, 0003 for Tim, and 0004 for Ted.

Question 25. Patrick scored 82 and 85 marks respectively in English and Science. If the total marks of these papers are 100, how many marks should he score in Mathematics so that his average marks in these three subjects becomes 87 ?

THE END