SASMO
Singapore & Asian Schools Math Olympiad

SASMO 2025 PREPARATION
Grade: 2
Time allowed: 90 minutes
PRACTICE TEST 1

PIONEER EDUCATION

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!

LIVEWORKSHEETS

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

Question 1. Find the value of $15 + 16 + 17 + 18 + 19 + 20$.

(A) 103 (B) 104 (C) 105
(D) 205 (E) None of the above

Question 2. The shapes below create a pattern. Observe carefully and identify the two missing shapes.

★ ○ ▽ ■ ▽ ★ ○ ▽ ■ ▽ [?] ○ ▽ ■ [?] ★ ...

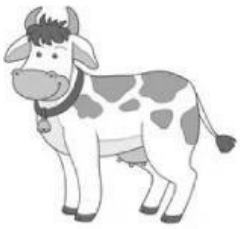
(A) ★ ○ (B) ○ ★ (C) ▽ ○
(D) ★ ▽ (E) None of the above

Question 3. Find the missing numbers in the pattern.

$$50, 3, 45, 6, 40, 9, 35, 12, \ldots$$

(A) 13 (B) 15 (C) 25
(D) 30 (E) None of the above

Question 4. Identify the correct shadow of the animal displayed below.



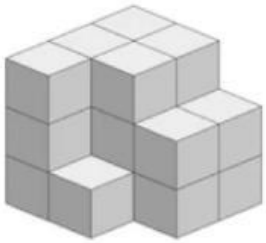
(A) 
(B) 
(C) 
(D) 
(E) None of the above

Question 5. The sum of A and B is 60. A is 2 times of B. Find the value of B.

(A) 30 (B) 40 (C) 10
(D) 20 (E) None of the above

LIVEWORKSHEETS

Question 6. How many cubes are there altogether?



(A) 16 (B) 22 (C) 20
(D) 18 (E) None of the above

Question 7. Tom has 45 candies and Jerry has 23 candies. How many candies does Tom have to give Jerry to make them have the same number of candies?

(A) 12 (B) 11 (C) 10
(D) 9 (E) None of the above

Question 8. Complete the blank to form a correct equation.

$$\cdots + 127 = 119 + 148 - 123$$

(A) 17 (B) 27 (C) 61
(D) 71 (E) None of the above

Question 9. For every 4 pencils purchased, the store gives 2 free erasers. If Anna buys 30 pencils, how many erasers will she receive?

(A) 16 (B) 15 (C) 20
(D) 14 (E) None of the above

Question 10. The 3 x 3 square below contains 9 consecutive numbers from 1 to 9 in each cell and the sum of numbers in each column or row is equal. Find the number that should be filled in cell A.

A	1	B
3	C	7
D	9	E

(A) 2 (B) 4 (C) 6
(D) 8 (E) None of the above

Question 11. We want to cut a 36 m stick into shorter sticks of length 4 m. We can only cut one piece of stick at a time. How many cuts are required?

(A) 10 (B) 9 (C) 8
(D) 7 (E) None of the above

Question 12. How many multiples of 3 are there from 15 to 61?

(A) 10 (B) 11 (C) 12
(D) 13 (E) None of the above

Question 13. The birthdays of two sisters are on the same day. The elder sister is 4 years older than the younger sister. When the sum of their ages reaches 50 years, how old is the younger sister?

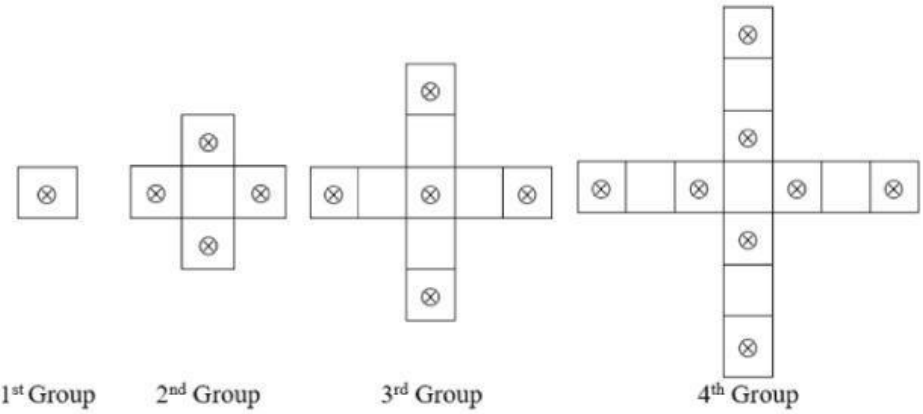
(A) 12 (B) 20 (C) 23
(D) 25 (E) None of the above

LIVEWORKSHEETS

Question 14. A soccer match consists of two halves each lasting 45 minutes, with a 15-minute break in between. If a soccer match begins at 13:00 and there is no extension of the game, at what time will it end?

(A) 13 : 45 (B) 14 : 00 (C) 14 : 30
(D) 14 : 35 (E) None of the above

Question 15. According to the pattern shown below, how many ⊗ are there in the 13^{th} group?



(A) 23 (B) 24 (C) 25
(D) 26 (E) None of the above

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

Question 16. Find the sum of the smallest three-digit even number and the greatest three-digit odd number using the digits 6, 2, 3.

Question 17. Jake, Lily, Mason, Noah, and Sophia have different heights. Mason is taller than Noah and also taller than Sophia. Sophia is taller than Lily. Jake is taller than Lily. Noah is taller than Sophia. Who is the shortest among the five of them? Write 0001 for Jake, 0002 for Lily, 0003 for Mason and so on.

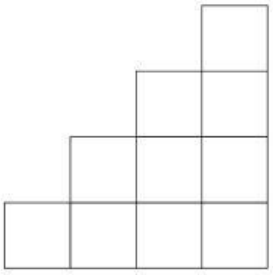
Question 18. The following pictograph shows the number of people of a certain age group living in an apartment.

Age group (in years)	*Number of people* (👤 = 5 people)
0 – 20	👤👤👤
21 – 35	👤👤👤👤👤👤
36 – 60	👤👤👤👤
Above 60	👤

How many people are there whose age is more than 20 years?

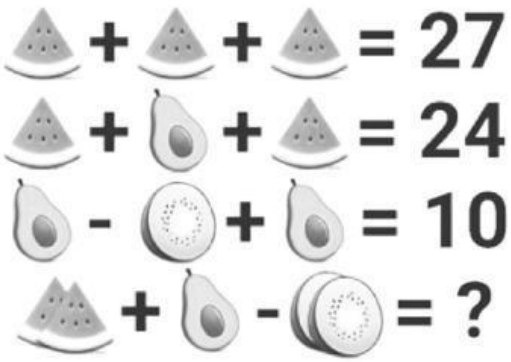
Question 19. How many squares are there in the figure below?

LIVEWORKSHEETS

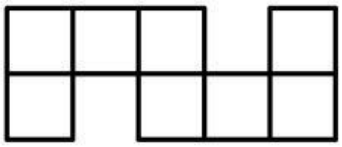


Question 20. Michael has \$5 less than Samantha. Samantha has \$10 more than Rob. Rob has \$15 less than Hailey. How many more dollars does Hailey have than Michael?

Question 21. Solve the math puzzle.



Question 22. The figure shown consists of 8 identical squares. The area of the figure is 8 square centimeters. What is the perimeter of the figure, in cm?



Question 23. What number makes the statement true?

$$220 - 22 = \cdots \times 22$$

Question 24. I am thinking of a number. If you subtract 3 from my number and then multiply by 4, the result is 28. What number am I thinking of?

Question 25. In the addition problem at the right, each letter stands for a digit and different letters stand for different digits. Find the product of A, H and E.

$$\begin{array}{rcc} & H & E \\ & H & E \\ & H & E \\ + & H & E \\ \hline & A & H \end{array}$$

THE END

LIVEWORKSHEETS