

NAN HUA PRIMARY SCHOOL  
2025 PRELIM REVISION SET (1)  
PRIMARY 6  
MATHEMATICS  
PAPER 1

Name: \_\_\_\_\_ ( )

Date: \_\_\_\_\_

Class: Primary 6M\_\_

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each.  
For each question, four options are given. One of them is the correct answer.  
Make your choice (1, 2, 3 or 4) and shade your answer on the Optical Answer Sheet.

(20 marks)

1 In 21.56, which digit is in the tenths place?

- (1) 1
- (2) 2
- (3) 5
- (4) 6

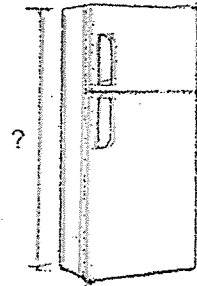
2 Which of the following is the first common multiple of 4 and 6?

- (1) 1
- (2) 2
- (3) 12
- (4) 24

3

The diagram shows a refrigerator. Which of the following could be the height of the refrigerator?

- (1) 18 cm
- (2) 180 cm
- (3) 18 m
- (4) 180 m



4

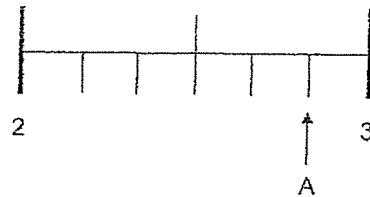
Which of the following is the same as 9 l 75 ml?

- (1) 9.075 ml
- (2) 975 ml
- (3) 9075 ml
- (4) 9750 ml

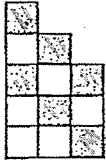
5

In the number line, what is the mixed number represented by A?

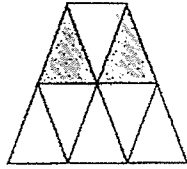
- (1)  $2\frac{2}{3}$
- (2)  $2\frac{3}{4}$
- (3)  $2\frac{5}{6}$
- (4)  $2\frac{6}{7}$



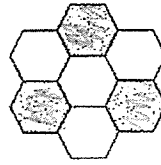
- 6 Which of the following shows  $\frac{1}{2}$  of the figure shaded?



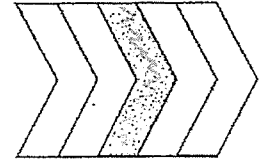
(1)



(2)

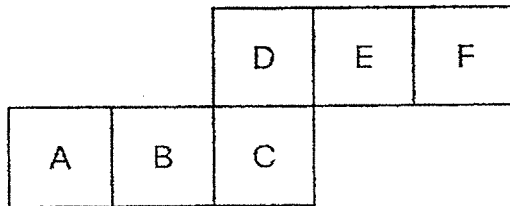


(3)



(4)

- 7 The figure below is the net of a cube. Which 2 faces are opposite each other?



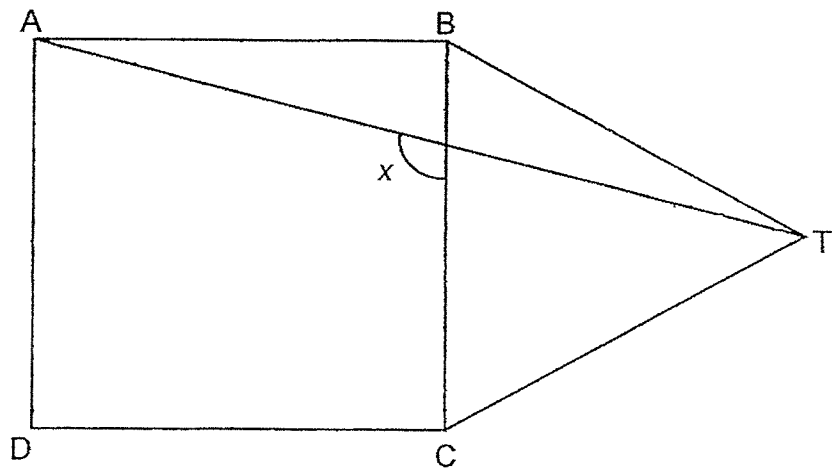
- (1) A and D  
 (2) D and E  
 (3) C and F  
 (4) B and E
- 8 Sharon watched a movie that was 2 h 20 min long. It ended at 00 30. What time did the movie start?
- (1) 02 50  
 (2) 10 10  
 (3) 22 10  
 (4) 22 50

- 9 William had \$100. After buying 5 identical bags, he had \$ $p$  left. Find the cost of each bag.
- (1) \$  $(\frac{100-p}{5})$
- (2) \$  $(\frac{100p}{5})$
- (3) \$  $(100 - 5p)$
- (4) \$  $(100 - \frac{p}{5})$
- 10  $\frac{5}{9}$  of the audience in a theatre were adults and the rest were children.  $\frac{1}{4}$  of the children were boys and the rest were girls. What was the ratio of the number of girls to the number of adults?
- (1) 1 : 5
- (2) 3 : 5
- (3) 5 : 1
- (4) 5 : 3
- 11 Nathanael spent 20% of his money on a cap . He used the rest of the money to buy a bag and a shirt. The bag cost \$15 more than the cap. The shirt cost \$165. Find the cost of the bag.
- (1) \$ 35
- (2) \$ 48
- (3) \$ 60
- (4) \$ 75

- 12 Mrs Sandra can bake either 90 big cupcakes or 150 small cupcakes with the same amount of ingredients. After baking 60 big cupcakes, what is the maximum number of small cupcakes she can bake with the remaining ingredients?

- (1) 30
- (2) 50
- (3) 90
- (4) 100

- 13 In the figure, ABCD is a square and BCT is an equilateral triangle. AT is a straight line. Find  $\angle x$ .



- (1)  $105^\circ$
- (2)  $120^\circ$
- (3)  $135^\circ$
- (4)  $150^\circ$

- 14 The figures below are made up of identical squares.

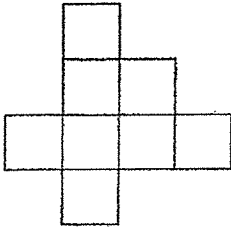


Figure 1

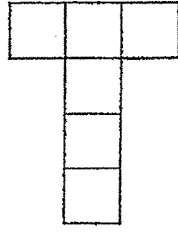


Figure 2

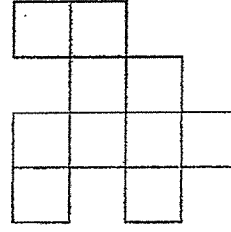


Figure 3

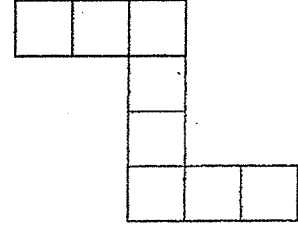
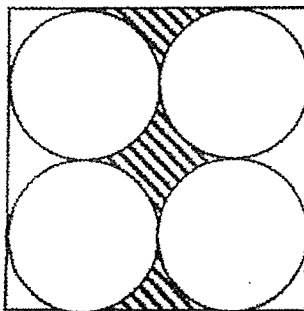


Figure 4

How many figure(s) has/have at least one line of symmetry?

- (1) 1  
 (2) 2  
 (3) 3  
 (4) 4
- 15 The figure below is made up of 4 identical circles inside a square. The length of the square is 56 cm. Find the perimeter of the shaded part. (Take  $\pi = \frac{22}{7}$ )



- (1) 88 cm  
 (2) 144 cm  
 (3) 176 cm  
 (4) 232 cm

Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided.  
For questions which require units, give your answers in the units stated. (5 marks)

16 Round 2.385 to 2 decimal places.

Ans: \_\_\_\_\_

17 Find the value of  $85 - (30 + 24) \div 6 \times 3$ .

Ans: \_\_\_\_\_

18 Find the value of  $\frac{3}{4} \times \frac{1}{6}$ . Give your answer in its simplest form.

Ans: \_\_\_\_\_

Please do not write in the margin.

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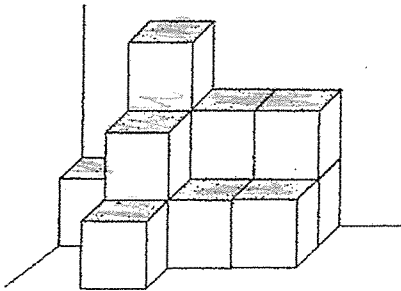
- 19 The radius of a circle is 14 cm. Find its area. (Take  $\pi = \frac{22}{7}$ )

Ans: \_\_\_\_\_ cm<sup>2</sup>

Please do not write in the margin.



- 20 The figure below consists of 1-cm cubes. What is the volume of the figure?



Ans: \_\_\_\_\_ cm<sup>3</sup>



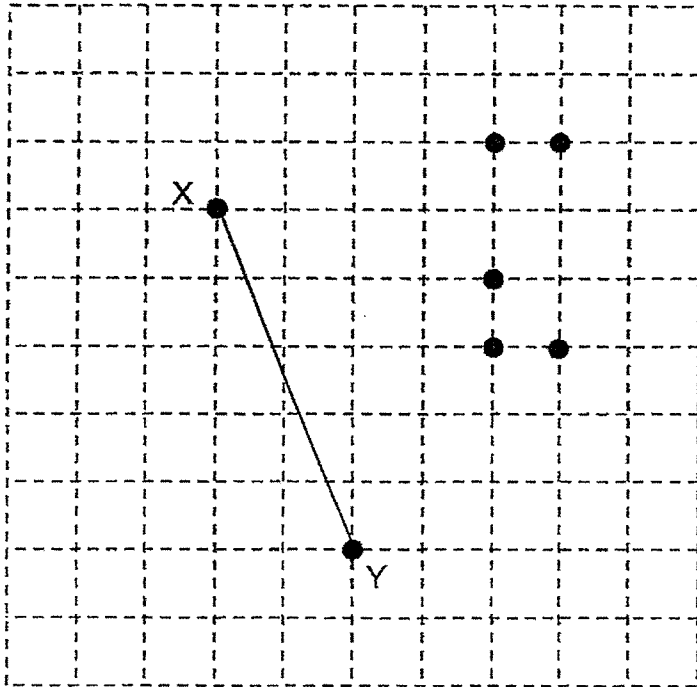
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Questions 21 to 30 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For question which require units, give your answers in the units stated.

(20 marks)

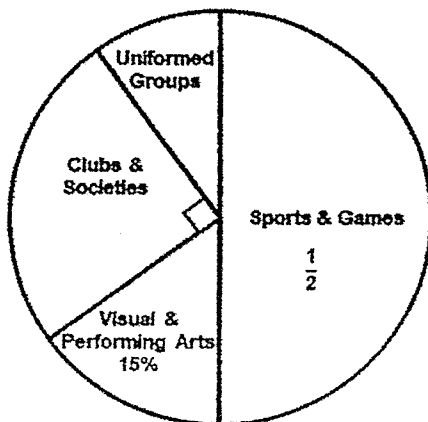
21 In the square grid below, XY is a straight line.

Draw and label isosceles triangle XYZ using one of the given points as point Z.



Please do not write in the margin.

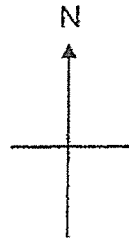
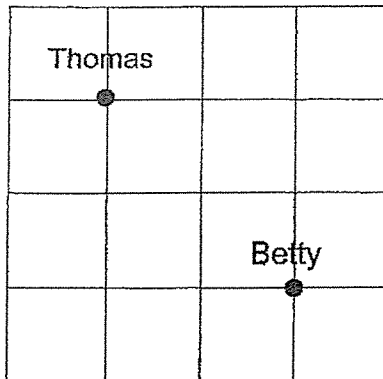
22 The pie chart shows the Co-Curricular Activities (CCA) that 290 Primary 5 students join in a school. How many Primary 5 students join Uniformed Groups?



Ans: \_\_\_\_\_

(Go on to the next page)

- 23 The square grid shows the position of Thomas and Betty.



- (a) Fill in the blank with North-East, North-West, South-East or South-West.

Thomas is \_\_\_\_\_ of Betty.

- (b) Thomas and Betty faced the same direction at first. Thomas then turned  $45^\circ$  clockwise while Betty turned  $135^\circ$  anti-clockwise to face North-East. What direction did Thomas face in the end?

Please do not write in the margin.

Ans: \_\_\_\_\_



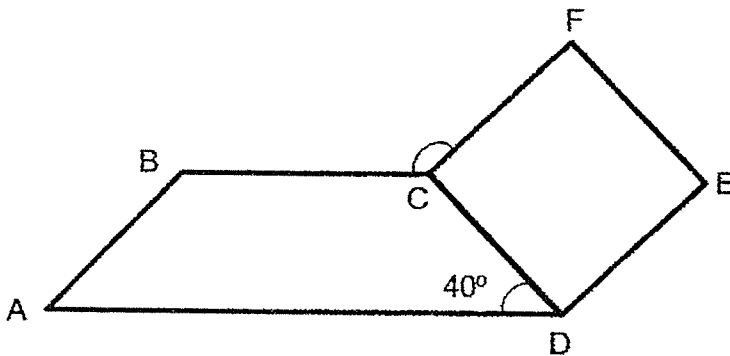
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- 24 8 people shared the cost of a meal equally. The cost of the meal was divided by 6 instead of 8 by mistake. As a result, each of the eight people paid \$4 more than what they should have paid. What is the correct amount that each person should pay?

Ans : \$ \_\_\_\_\_



- 25 In the figure below, ABCD is a trapezium and CDEF is a square. Given that  $\angle ADC = 40^\circ$ . Find  $\angle BCF$ .



Please do not write in the margin.

Ans : \_\_\_\_\_°

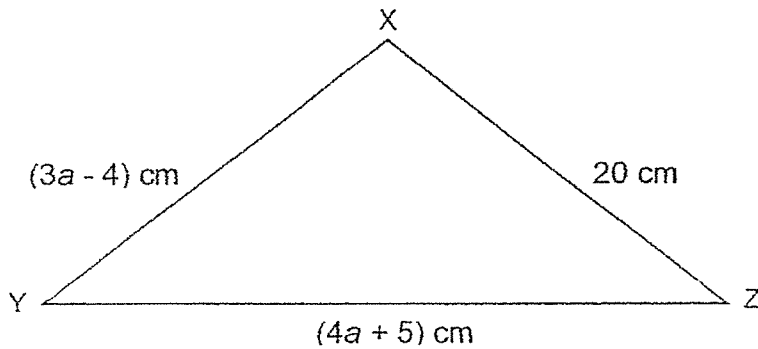


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- 26 Jane has 1 m of string. She cuts  $\frac{1}{4}$  m of the string to tie a box. The remaining length of the string is cut into shorter pieces each measuring  $\frac{1}{5}$  m. What is the maximum number of  $\frac{1}{5}$ -m pieces that Jane have?

Ans : \_\_\_\_\_

- 27 The figure below shows an isosceles triangle XYZ, where  $XY = XZ$ . Find length YZ.



Ans : \_\_\_\_\_ cm

Please do not write in the margin.

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- 28 The table below shows the number of books read by a group of students in a week. The number of students who read 3 and 4 or more books is not shown.

|                    |    |    |    |   |           |
|--------------------|----|----|----|---|-----------|
| Number of Books    | 0  | 1  | 2  | 3 | 4 or more |
| Number of Students | 50 | 70 | 30 | ? | ?         |

Each statement below is either true, false or not possible to tell from the information given. For each statement, pick a tick (✓) in the correct column.

|     | Statement   | True | False | Not Possible To Tell |
|-----|---|------|-------|----------------------|
| (a) | $\frac{1}{3}$ of the students read 1 book in a week.  |      |       |                      |
| (b) | Given that $\frac{2}{5}$ of the students read at least 2 books in a week, the number of students who read 3 books was the greatest. |      |       |                      |

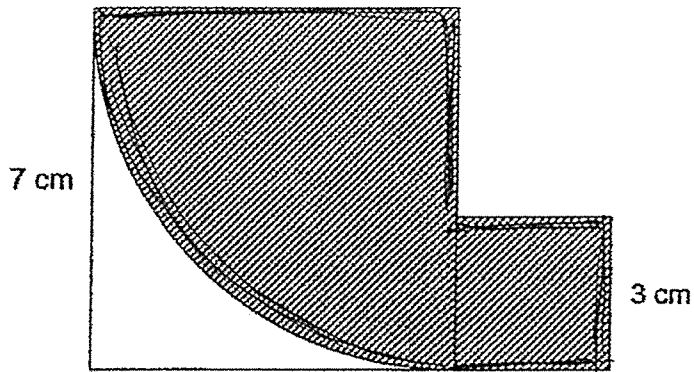
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29 The figure below is made up of 2 squares, with lengths 3 cm and 7 cm.

A quarter circle can be found within the big square. Find the perimeter of the shaded part. (Take  $\pi = \frac{22}{7}$ )



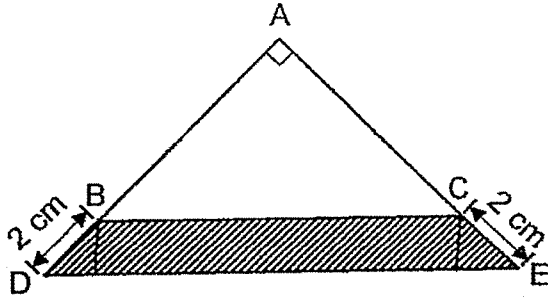
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Ans : \_\_\_\_\_ cm



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- 30 In the figure, ABC and ADE are right-angled isosceles triangles.  
BD = CE = 2 cm. The area of the shaded part is  $22 \text{ cm}^2$ .  
Find the length of AD.



Please do not write in the margin.

Ans : \_\_\_\_\_ cm

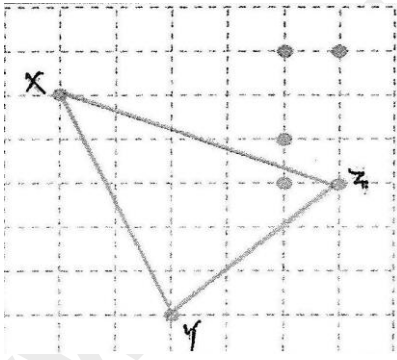


End of Paper

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**SCHOOL : NAN HUA PRIMARY SCHOOL**  
**LEVEL : PRIMARY 6**  
**SUBJECT : MATHEMATICS**  
**TERM : 2025 REVISION 1**

|     |     |     |     |     |    |    |    |    |     |
|-----|-----|-----|-----|-----|----|----|----|----|-----|
| Q1  | Q2  | Q3  | Q4  | Q5  | Q6 | Q7 | Q8 | Q9 | Q10 |
| 3   | 3   | 2   | 3   | 3   | 1  | 4  | 3  | 1  | 2   |
| Q11 | Q12 | Q13 | Q14 | Q15 |    |    |    |    |     |
| 4   | 2   | 1   | 2   | 4   |    |    |    |    |     |

|     |   |
|-----|---|
| Q16 | $2.385 = 2.39$ (2 d.p.)   |
| Q17 | $85 - (30 + 24) \div 6 \times 3 = 58$   |
| Q18 | $\frac{3}{4} \times \frac{1}{6} = \frac{1}{8}$                                      |
| Q19 | $\frac{22}{7} \times 14 \times 14 = 616 \text{ cm}^2$                               |
| Q20 | $13 \text{ cm}^3$   |
| Q21 |  |
| Q22 | $100\% - 50\% - 15\% - 25\% = 10\%$<br>$\frac{10}{100} \times 290 = 29$             |
| Q23 | (a) North-west<br>(b) South-west  |

|     |  |
|-----|--|
|     |  |
| Q24 | $8 \times 4 = 32$<br>$32 \div 2 = 16$<br>$16 - 4 = \$12$   |
| Q25 | Angle BCD = $180^\circ - 40^\circ = 140^\circ$<br>Angle BCF = $360^\circ - 140^\circ - 90^\circ = 130^\circ$                                       |
| Q26 | $1 - \frac{1}{4} = \frac{3}{4}$<br>$\frac{3}{4} \div \frac{1}{5} = \frac{3}{4} \times \frac{5}{1}$<br>$= \frac{15}{4} = 3\frac{3}{4} = 3$          |
| Q27 | $3a - 4 = 20$<br>$3a = 24$<br>$a = 8$<br>$4a + 5 = 4 \times 8 + 5 = 37 \text{ cm}$   |
| Q28 | (a) Not possible to tell<br>(b) False  |
| Q29 | $\frac{1}{4} \times \frac{22}{7} \times 14 = 11$<br>$11 + 7 + 4 + 3 + 3 + 3 = 31$  |
| Q30 | $\frac{1}{2} \times 2 \times y = y$<br>$\frac{1}{2} \times 2 \times (2 + y) = 2 + y$<br>$y + y + 2 = 22$<br>$2y = 20$<br>$y = 10$<br>$10 + 2 = 12$ |