

NAN HUA PRIMARY SCHOOL  
2025 PRELIM REVISION SET (2)  
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)

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1 How many hundredths are there in 0.8?

- (1) 0.08
- (2) 0.8
- (3) 8
- (4) 80

2 What is the sum of all the factors of 9?

- (1) 12
- (2) 13
- (3) 15
- (4) 16

3 Express 8 km 20 m in km.

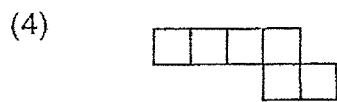
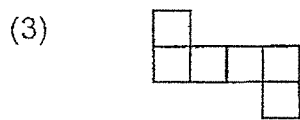
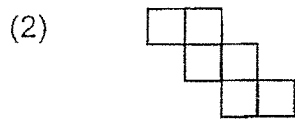
- (1) 8020 m
- (2) 8.002 km
- (3) 8.02 km
- (4) 8.2 k



6 A movie started at 10.35 p.m and ended at 1.15 a.m. How long did the movie last?

- (1) 2 h 10 min
- (2) 2 h 20 min
- (3) 2 h 40 min
- (4) 2 h 50 min

7 Which one of the following is not a net of the cube?



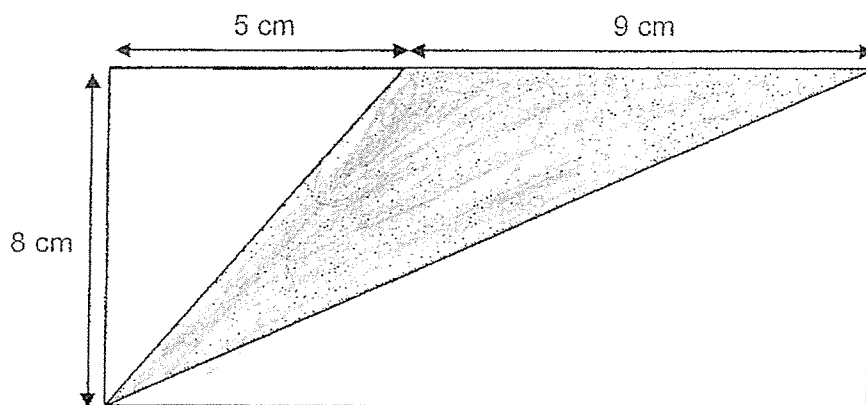
8 Which of the following is the most likely mass of an apple?

- (1) 20 kg
- (2) 2 kg
- (3) 200 g
- (4) 20 g

9 James paid \$20 for 40 rulers. How much did each ruler cost?

- (1) 5 cents
- (2) 2 cents
- (3) 50 cents
- (4) 20 cents

10 In the rectangle below, find the area of the shaded triangle.



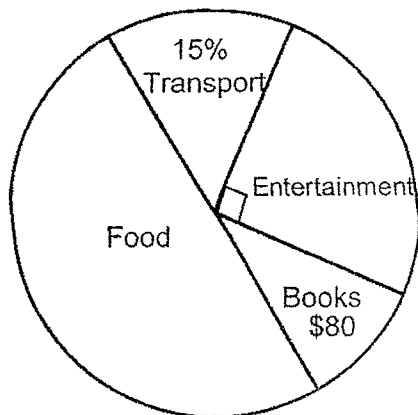
- (1)  $20 \text{ cm}^2$
- (2)  $36 \text{ cm}^2$
- (3)  $56 \text{ cm}^2$
- (4)  $72 \text{ cm}^2$

11 Two years ago, Andy was  $n$  years older than Belle.

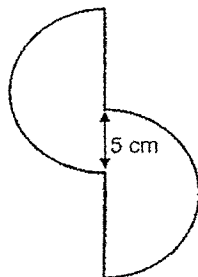
Andy is twice her age now, how old was Belle 2 years ago?

- (1)  $n$
- (2)  $2n$
- (3)  $n - 2$
- (4)  $2n - 2$

- 12 The pie chart shows Lilian's expenditure last month. She spent half of what she had on food. How much did she spend on transport?



- (1) \$120  
 (2) \$200  
 (3) \$400  
 (4) \$800
- 13 The figure is made up of 2 identical semicircles of diameter 14 cm. Find the perimeter of the figure. Take  $\pi = \frac{22}{7}$



- (1) 44 cm  
 (2) 62 cm  
 (3) 67 cm  
 (4) 72 cm

- 14 There were a total of 50 blue, red and white marbles in a box. The number of blue and red marbles was  $\frac{2}{5}$  of the total number of marbles. The number of red and white marbles was  $\frac{9}{10}$  of the total number of marbles. Find the number of red marbles.

- (1) 15
- (2) 20
- (3) 25
- (4) 45

- 15 In a school, 40% of the pupils are boys.  
5% of the boys and 20% of the girls walk to school.  
What percentage of the pupils in the school walk to school?

- (1) 14%
- (2) 15%
- (3) 25%
- (4) 65%

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)

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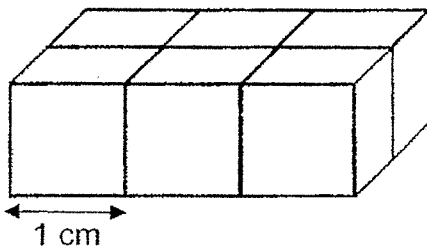
16 Express 8% as a fraction. Give your answer in its simplest form.

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

17 Round 589.02 to the nearest tenth.

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

18 Six identical cubes are glued together to form a cuboid as shown below. Each cube has the length of 1 cm. The cuboid is then submerged fully into a pail of red paint. Find the total area of the cuboid that is painted red.



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

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19 What is the greatest possible whole number that gives 9300 when rounded to the nearest ten?

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

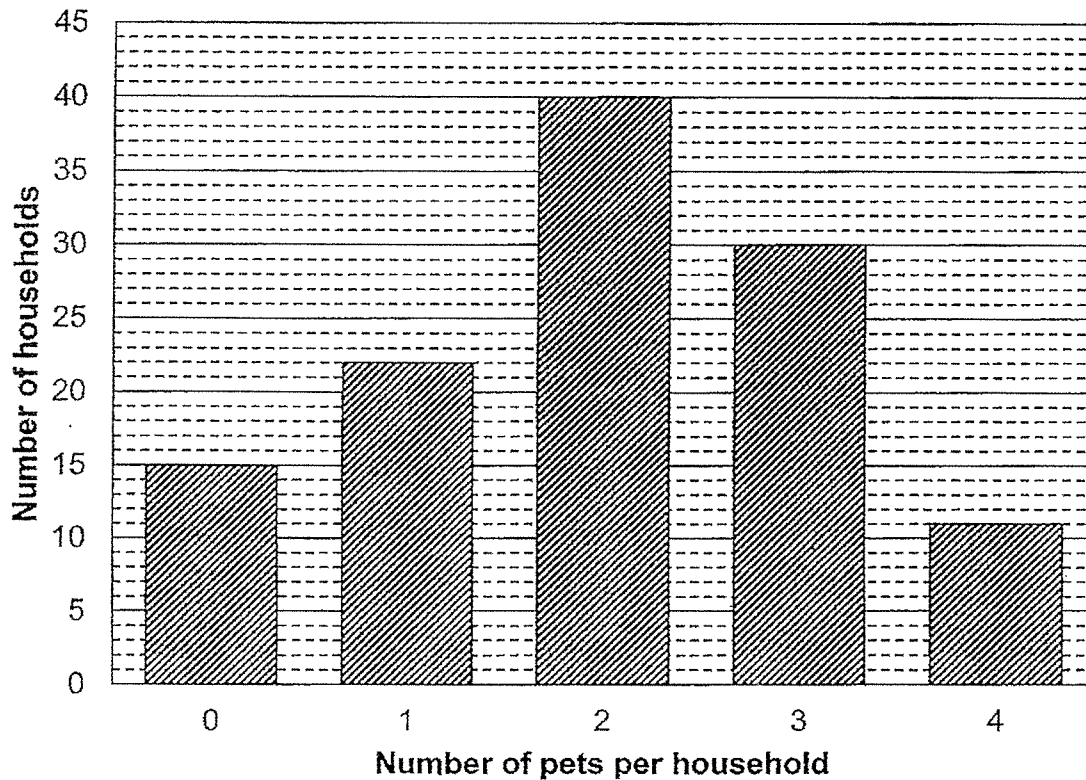
20 Give a fraction that is halfway between  $\frac{1}{5}$  and  $\frac{1}{3}$ .

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

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)

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- 21 The graph below shows the number of pets per household in a block of flats.



How many pets are there in this block of flats?

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

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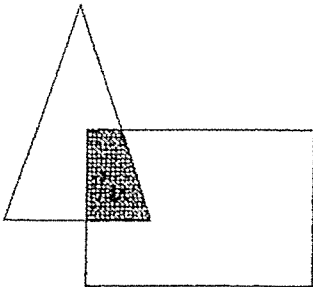
- 22 Study the pattern below carefully. If the pattern continues, what is the 99<sup>th</sup> letter?

S Q U A R E S Q U A R E S Q U A R E .....  
 1<sup>st</sup> 18<sup>th</sup>

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

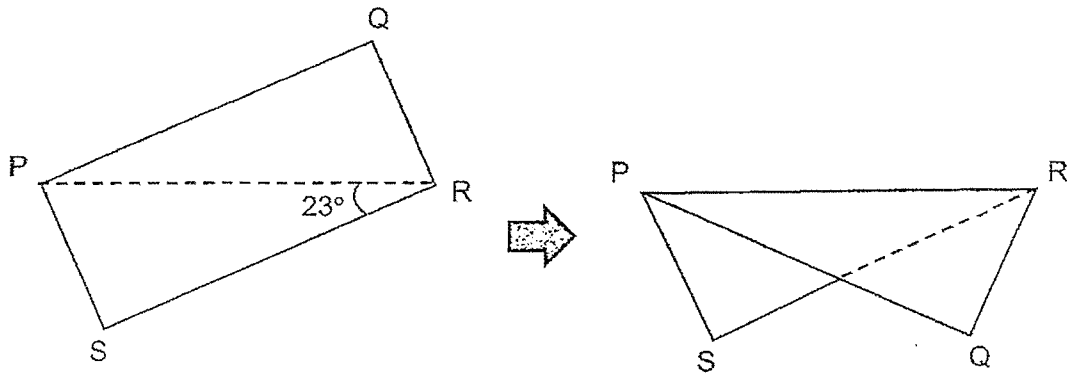
- 23 The figure below is made up of triangle and a rectangle. The area of the rectangle is twice the area of the triangle.  $\frac{1}{8}$  of the rectangle is shaded. What is the ratio of the shaded area to the total area of the figure?



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

- 24 A rectangle PQRS is folded along its diagonal PR as shown below. Given that  $\angle PRS = 23^\circ$ , find  $\angle QRS$  after the fold.

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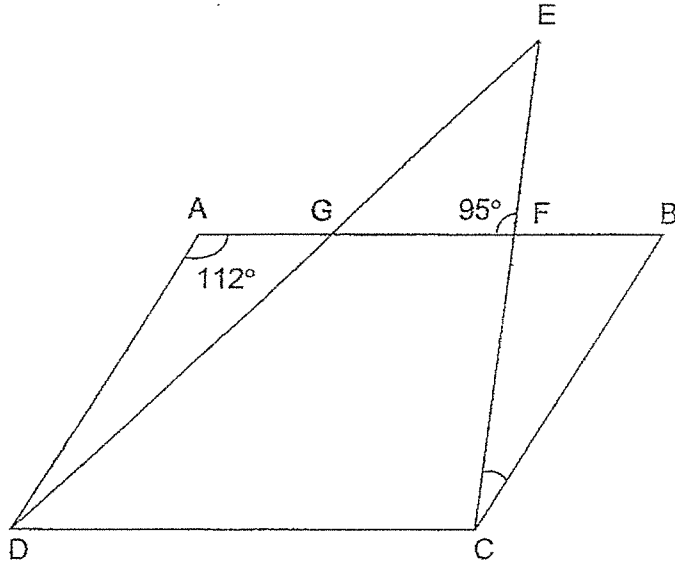


Ans : \_\_\_\_\_<sup>o</sup>



- 25 In the diagram below, ABCD is a parallelogram.  
CFE and DGE are straight lines.  
Find  $\angle BCF$ .

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Ans : \_\_\_\_\_  $^\circ$



- 26 Jack and Keith left Town X at the same time and travelled in opposite directions along a straight road. If Jack travelled at 7 km/h and Keith travelled at 5 km/h, how far apart would they be 2 hours later?

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

- 27 A group of 5 boys rented a paddle boat for 2 hours and took turns to play. At any one time, there were 3 boys paddling the boat. On average, how long did each boy play on the paddle boat?

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

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- 28 Two numbers X and Y are in the ratio of 3 : 7. After Y is halved and X is increased by 4, the ratio became 1 : 1. What is the original value of X?

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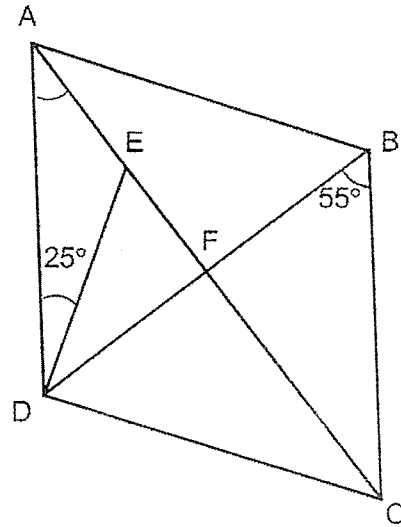
Ans: \_\_\_\_\_

- 29 John has just enough money to buy either 6 rulers and 3 erasers or 4 rulers and 8 erasers. He spends all the money on erasers, how many erasers can he buy?

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

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- 30 In the figure below, ABCD is a rhombus. AEF and BFD are straight lines. Find  $\angle DAE$ .



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Ans : \_\_\_\_\_<sup>o</sup>

End of Paper

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**SCHOOL : NAN HUA PRIMARY SCHOOL**  
**LEVEL : PRIMARY 6**  
**SUBJECT : MATHEMATICS**  
**TERM : 2025 REVISION 2**

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

Q16	$\frac{8}{100} = \frac{2}{25}$
Q17	$589.02 = 589.0$
Q18	$3 \times 2 = 6$ $6 \times 2 = 12$ $2 \times 2 = 4$ $12 + 6 + 4 = 22 \text{ cm}^2$
Q19	$9300 + 4 = 9304$
Q20	$\frac{1}{5} + \frac{1}{3} = \frac{3}{15} + \frac{5}{15} = \frac{8}{15}$ $\frac{8}{15} \div 2 = \frac{8}{15} \times \frac{1}{2} = \frac{4}{15}$
Q21	$15 \times 0 = 0$ $22 \times 1 = 22$ $40 \times 2 = 80$ $30 \times 3 = 90$ $11 \times 4 = 44$ $44 + 90 + 80 + 22 = 236$
Q22	$99 \div 6 = 16 \text{ R}3$ Ans : U
Q23	S : TA 1 : 11

Q24	$90^\circ - 23^\circ = 67^\circ$ $67^\circ - 23^\circ = 44^\circ$
Q25	Angle BFC = Angle AFE = $95^\circ$ (vertically opposite angles) Angle ABC = $180^\circ - 112^\circ = 68^\circ$ Angle BCF = $180^\circ - 68^\circ - 95^\circ = 17^\circ$
Q26	$7 \text{ km/h} + 5 \text{ km/h} = 12 \text{ km/h}$ $12 \text{ km/h} \times 2 \text{ h} = 24 \text{ km}$
Q27	$2 \text{ h} \times 3 = 6 \text{ h}$ $= 360 \text{ min}$ $360 \div 5 = 72 \text{ min}$
Q28	Before: $X : Y = 3 : 7 \rightarrow 6 : 14$ After: $X : Y = 1 : 1 \rightarrow 7 : 7$  $7 - 6 = 1$ $1u = 4$ $6u = 6 \times 4 = 24$
Q29	$6R - 4R = 8E - 3E$ $2R = 5E$ $6R = 15E$ $15 + 3 = 18$
Q30	Angle ADB = Angle DBC (Alternate angles) = $55^\circ$ Angle EDB = $55^\circ - 25^\circ = 30^\circ$ Angle DEF = $180^\circ - 90^\circ - 30^\circ = 60^\circ$ Angle DEA = $180^\circ - 60^\circ = 120^\circ$ Angle DAE = $180^\circ - 120^\circ - 25^\circ = 35^\circ$