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

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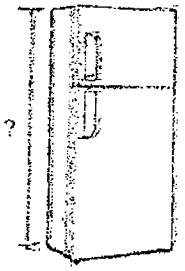
3 The diagram shows a refrigerator. Which of the following could be the height of the refrigerator?

(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

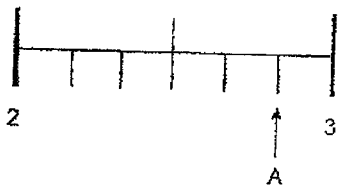
5 In the number line, what is the mixed number represented by A?

(1) $2\frac{2}{3}$

(2) $2\frac{3}{4}$

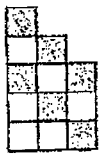
(3) $2\frac{5}{6}$

(4) $2\frac{6}{7}$

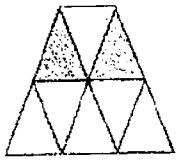


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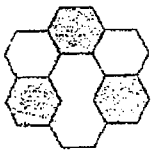
6 Which of the following shows $\frac{1}{2}$ of the figure shaded?



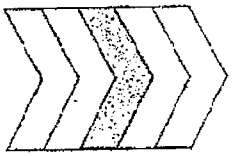
(1)



(2)

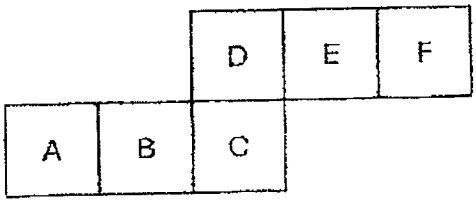


(3)



(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

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9 William had \$100. After buying 5 identical bags, he had \$$p$ left. Find the cost of each bag.

(1) $\$\left(\frac{100-p}{5}\right)$

(2) $\$\left(\frac{100p}{5}\right)$

(3) $\$(100-5p)$

(4) $\$\left(100-\frac{p}{5}\right)$

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

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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?

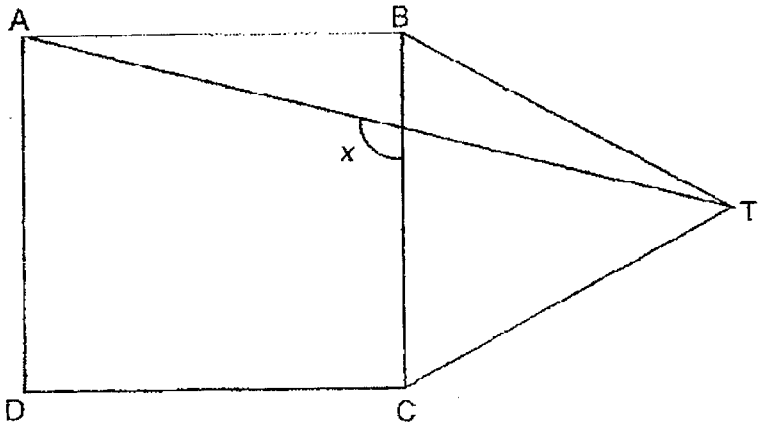
(1) 30

(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°

(2) 120°

(3) 135°

(4) 150°

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14 The figures below are made up of identical squares.

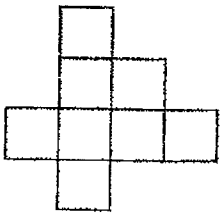


Figure 1

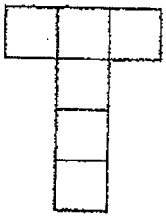


Figure 2

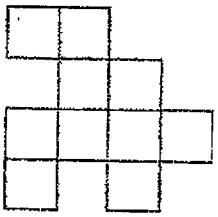


Figure 3

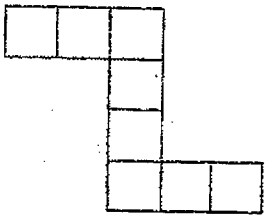


Figure 4

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

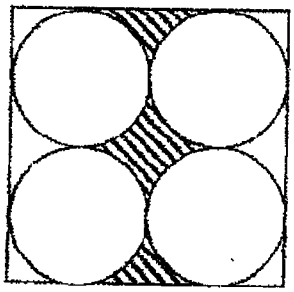
(1) 1

(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

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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) ÷ 6 x 3.

Ans: _____

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

Ans: _____

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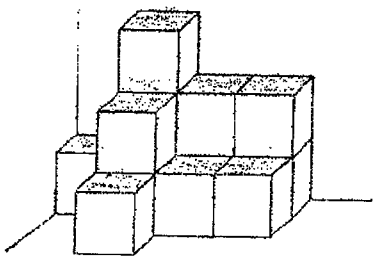
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19 The radius of a circle is 14 cm. Find its area. (Take $\pi = \frac{22}{7}$)

Ans: _____ cm^2

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



Ans: _____ cm^3

Please do not write in the margin.

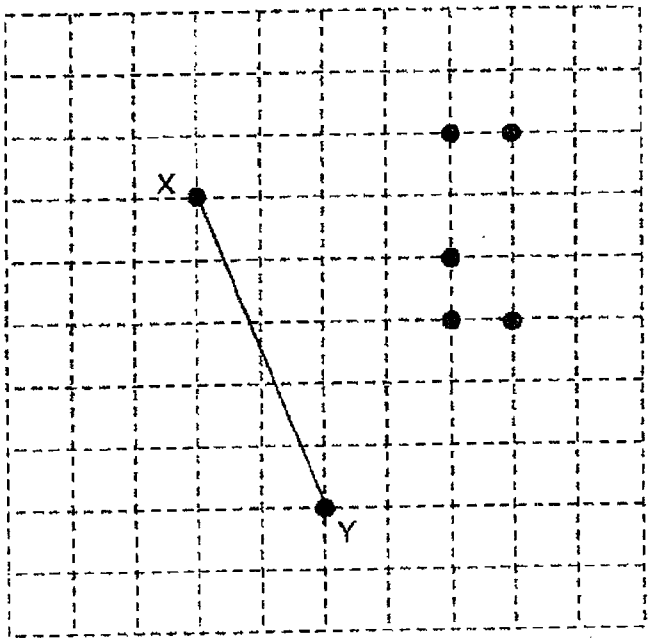
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Questions **21** to **30** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For question which require units, give your answers in the units stated.

(20 marks)

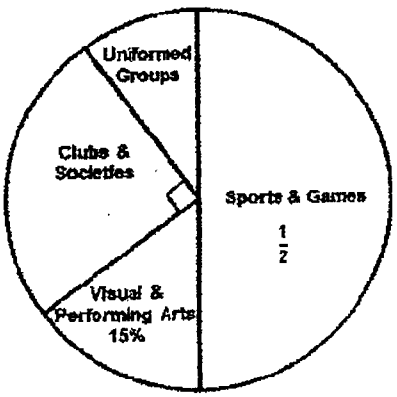
21 In the square grid below, XY is a straight line.

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



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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?

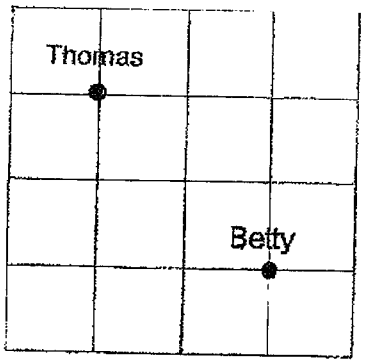


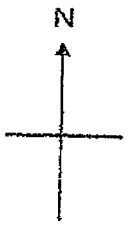
Ans: _____

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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° clockwise while Betty turned 135° anti-clockwise to face North-East. What direction did Thomas face in the end?

Ans: _____ [ ]

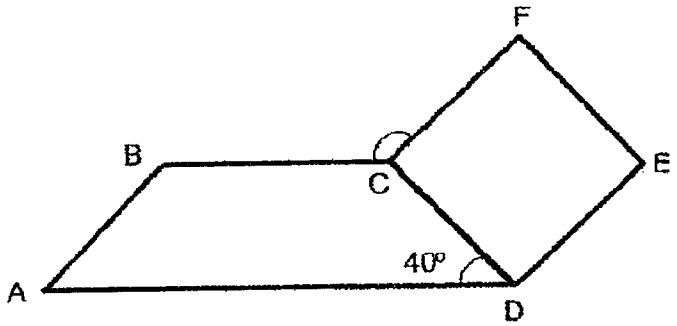
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24 8 people shared the cost of a meal equally. The cost of the meal was divided by 6 instead of 8 by mistake. As a result, each of the eight people paid $4 more than what they should have paid. What is the correct amount that each person should pay?

Ans : $ _____

25 In the figure below, ABCD is a trapezium and CDEF is a square. Given that ∠ADC = 40°. Find ∠BCF.



Ans : _____°

Please do not write in the margin.

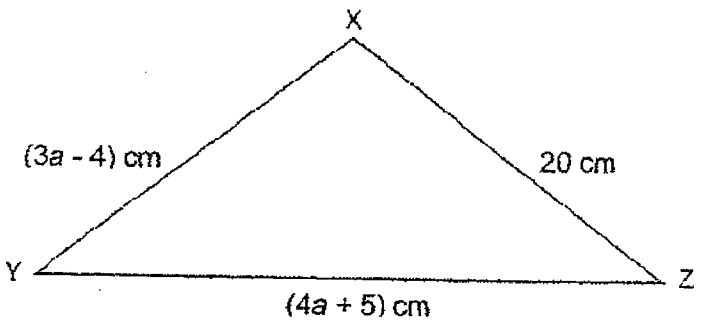
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26 Jane has 1 m of string. She cuts $\frac{1}{4}$ m of the string to tie a box. The remaining length of the string is cut into shorter pieces each measuring $\frac{1}{5}$ m. What is the maximum number of $\frac{1}{5}$ - m pieces that Jane have?

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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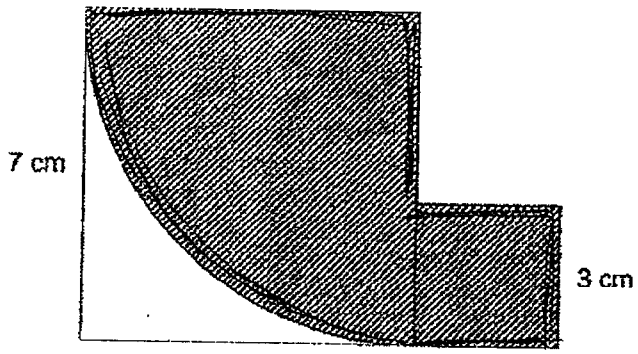


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29 The figure below is made up of 2 squares, with lengths 3 cm and 7 cm.

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



Please do not write in the margin.

Ans : _____ cm

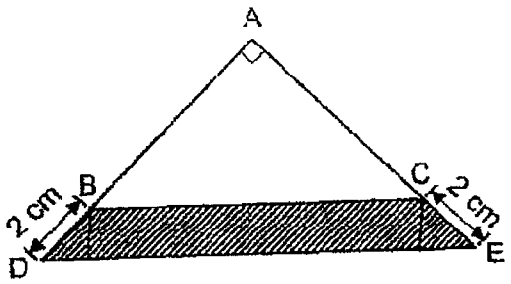
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30 In the figure, ABC and ADE are right-angled isosceles triangles.

BD = CE = 2 cm. The area of the shaded part is 22 cm^2.

Find the length of AD.



Please do not write in the margin.

Ans : _____ cm

End of Paper

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

(BOOKLET A)

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

(BOOKLET B)

Q16 2.385 = 2.39 (2 d.p.)

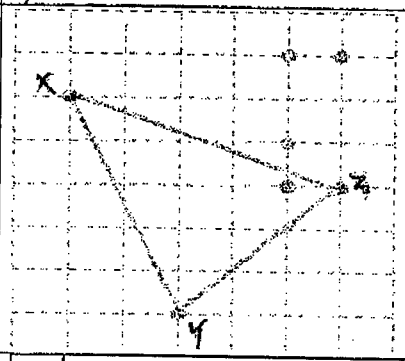
Q17 85 – (30 + 24) ÷ 6 x 3 = 58

Q18 $\frac{3}{4} \times \frac{1}{6} = \frac{1}{8}$

Q19 $\frac{22}{7} \times 14 \times 14 = 616 cm^2$

Q20 $13cm^3$

Q21



Q22 100% - 50% - 15% - 25% = 10%
$\frac{10}{100} \times 290 = 29$

Q23

a)	North-west
b)	South-west

Q24
8 x 4 = 32
32 ÷ 2 = 16
16 – 4 = $12

Q25
Angle BCD = 180° – 40° = 140°
Angle BCF = 360° – 140° – 90° = 130°

Q26
$1 - \frac{1}{4} = \frac{3}{4}$
$\frac{3}{4} \div \frac{1}{5} = \frac{3}{4} \times \frac{5}{1}$
$= \frac{15}{4} = 3\frac{3}{4} = 3$

Q27
3a – 4 = 20
3a = 20 + 4 = 24
a = 24 ÷ 3 = 8
4a + 5 = 4 x 8 + 5
= 37cm

Q28

a)	Not possible to tell
b)	False

Q29
$\frac{1}{4} \times \frac{22}{7} \times 14 = 11$
11 + 7 + 4 + 3 + 3 + 3 = 31

Q30
$\frac{1}{2} \times 2 \times y = y$
$\frac{1}{2} \times 2 \times (2 + y) = 2 + y$
y + y + 2 = 22
2y = 22 – 2 = 20
y = 10
10 + 2 = 12

END

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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)

---

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

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4 Express $\frac{3}{8}$ as a decimal correct to 2 decimal places.

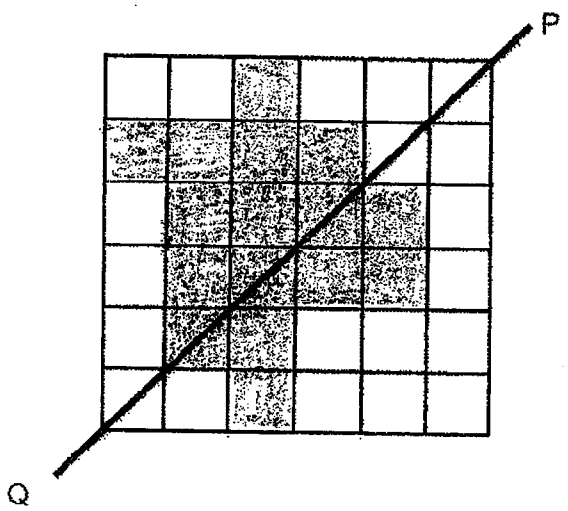
(1) 0.308

(2) 0.38

(3) 3.08

(4) 3.8

5 What is the smallest number of squares that must be shaded so that the line PQ becomes a line of symmetry?



(1) 5

(2) 2

(3) 3

(4) 4

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

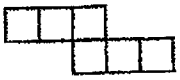
(1) 2 h 10 min

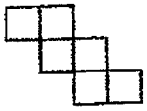
(2) 2 h 20 min

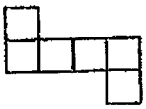
(3) 2 h 40 min

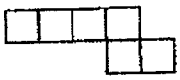
(4) 2 h 50 min

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

(1) 

(2) 

(3) 

(4) 

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

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

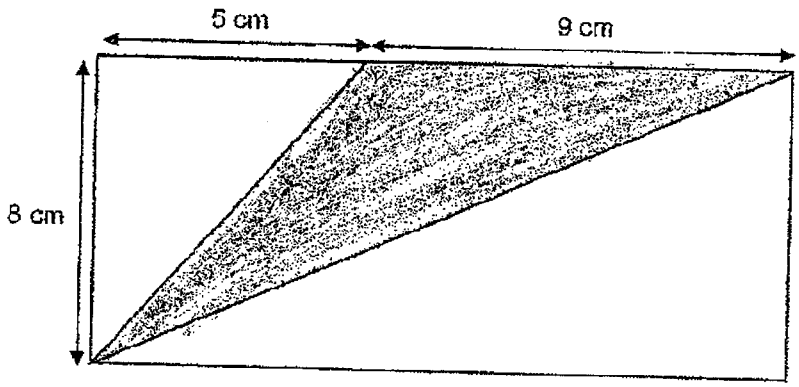
(1) 5 cents

(2) 2 cents

(3) 50 cents

(4) 20 cents

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



(1) 20 cm²

(2) 36 cm²

(3) 56 cm²

(4) 72 cm²

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

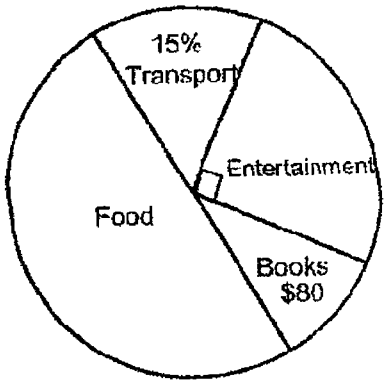
(2) 2n

(3) n – 2

(4) 2n – 2

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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?



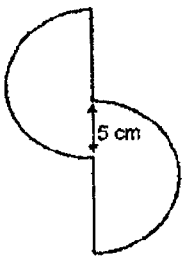
(1) $120

(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

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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%

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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)

Do not write in this space

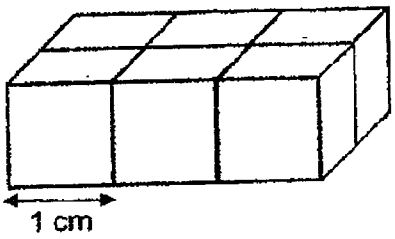
16 Express 8% as a fraction. Give your answer in its simplest form.

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^2

(Go on to the next page)

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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 $\frac{1}{3}$.

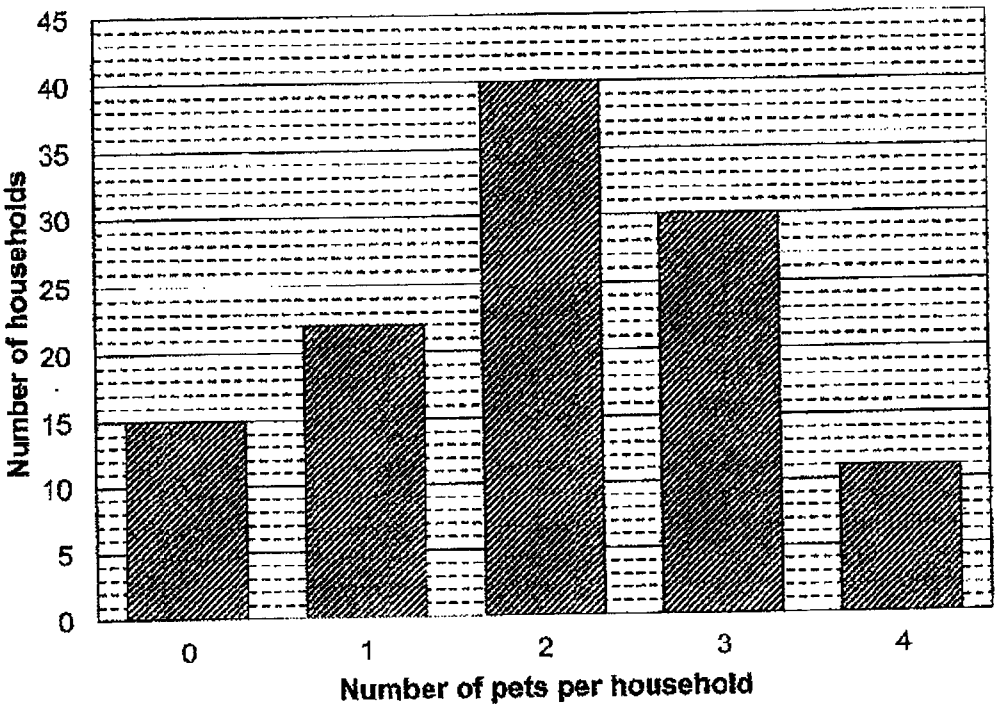
Ans : _____

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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)

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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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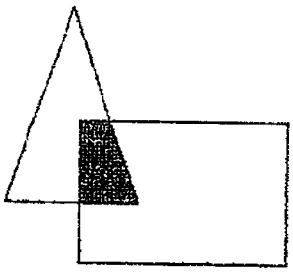
22 Study the pattern below carefully. If the pattern continues, what is the 99th letter?

Do not write in this space

S Q U A R E S Q U A R E S Q U A R E .....
1st 18th

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?

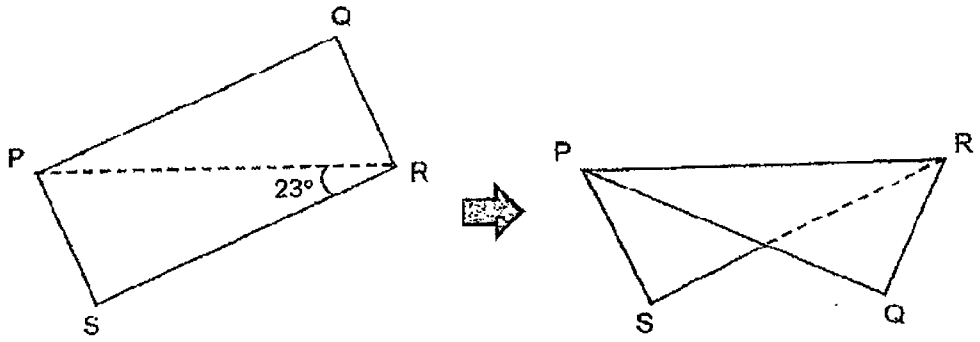


Ans: _____

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24 A rectangle PQRS is folded along its diagonal PR as shown below. Given that ∠PRS = 23°, find ∠QRS after the fold.

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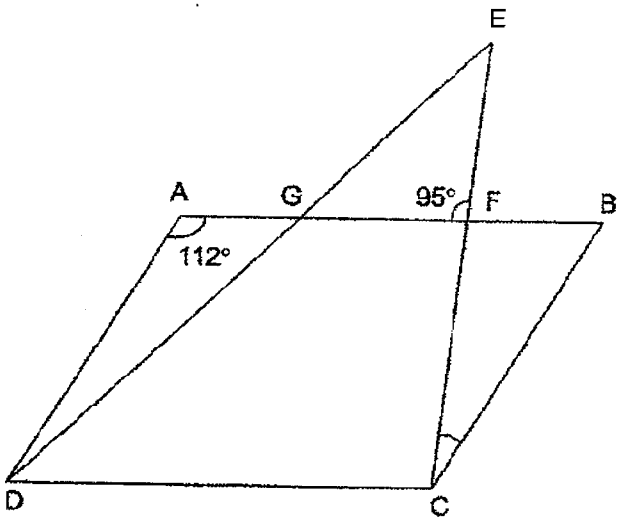
Ans : _____ °

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25 In the diagram below, ABCD is a parallelogram.

CFE and DGE are straight lines.

Find ∠BCF.



Do not write in this space

Ans : _____ °

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Do not write in this space

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?

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

(Go on to the next page)

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28 Two numbers X and Yare 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?

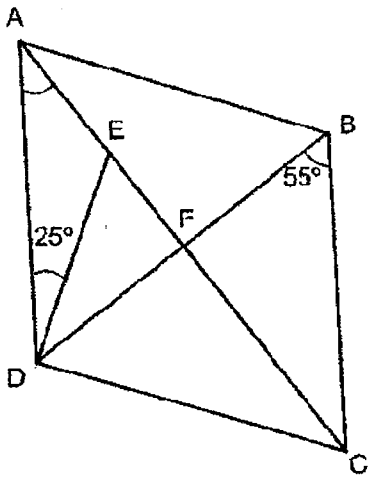
Ans : _____

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30 In the figure below, ABCD is a rhombus. AEFCs and BFD are straight lines.

Find ∠DAE.

Do not write in this space



Ans : _____ °

End of Paper

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

(BOOKLET A)

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

(BOOKLET B)

Q16	$\frac{8}{100} = \frac{2}{25}$	Q17	589.02 = 589.0
Q18	3 x 2 = 6 6 x 2 = 12 2 x 2 = 4 12 + 6 + 4 = 22cm^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 x 0 = 0 22 x 1 = 22 40 x 2 = 80 30 x 3 = 90 11 x 4 = 44 44 + 90 + 80 + 22 = 236
Q22	99 ÷ 6 = 16R3 Ans : U	Q23	S : TA 1 : 11
Q24	90° – 23° = 67° 67° – 23° = 44°	Q25	Angle BFC = Angle AFE = 95° (vertically opposite angles) Angle ABC = 180° – 112° = 68° Angle BCF = 180° – 68° – 95° = 17°
Q26	7km/h + 5km/h = 12km/h 12km/h x 2h = 24km	Q27	2h x 3 = 6h = 360min 360 ÷ 5 = 72min
Q28	Before : X : Y 3 : 7 6 : 14 After : X : Y 1 : 1 7 : 7 7 – 6 = 1 1u = 4 6u = 6 x 4 = 24	Q29	6R – 4R = 8E – 3E 2R = 5E 6R = 15E 15 + 3 = 18

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Q30	Angle ADB = Angle DBC (Alternate angles) 55° Angle EDB = 55° – 25° = 30° Angle DEF = 180° – 90° – 30° = 60° Angle DEA = 180° – 60° = 120° Angle DAE = 180° – 120° – 25° = 35°

END

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