Name : _____ ( )

Class : P 5

27 October 2(

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

FINAL-YEAR EXAMINATION 2009

MATHEMATICS

PAPER 1

(BOOKLET A)

15 questions

20 marks

Total Time for Booklets A and B: 50 min

INSTRUCTIONS TO CANDIDATES

Do not open this booklet until you are told to do so.

Follow all instructions carefully.

Shade your answers in the Optical Answer Sheet (OAS) provided.

You are **not** allowed to use a calculator.

Answer all questions.

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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). Shade the correct oval on the Optical Answer Sheet. All diagrams are not drawn to scale. (20 marks)

---

1. How many tens are there in 735 000?

   (1) 735
   (2) 7 350
   (3) 73 500
   (4) 735 000

---

2. The height of a computer monitor is about _____.

   (1) 0.03 m
   (2) 0.3 m
   (3) 300 cm
   (4) 3000 cm

---

3. The number of peaches is $\frac{2}{7}$ of the number of mangoes.

   What is the ratio of the number of mangoes to the total number of fruits?

   (1) 2 : 5
   (2) 5 : 7
   (3) 2 : 9
   (4) 7 : 9

---

4. Express 240 tenths and 16 thousandths as a decimal.

   (1) 2.416
   (2) 2.4016
   (3) 24.016
   (4) 24.160

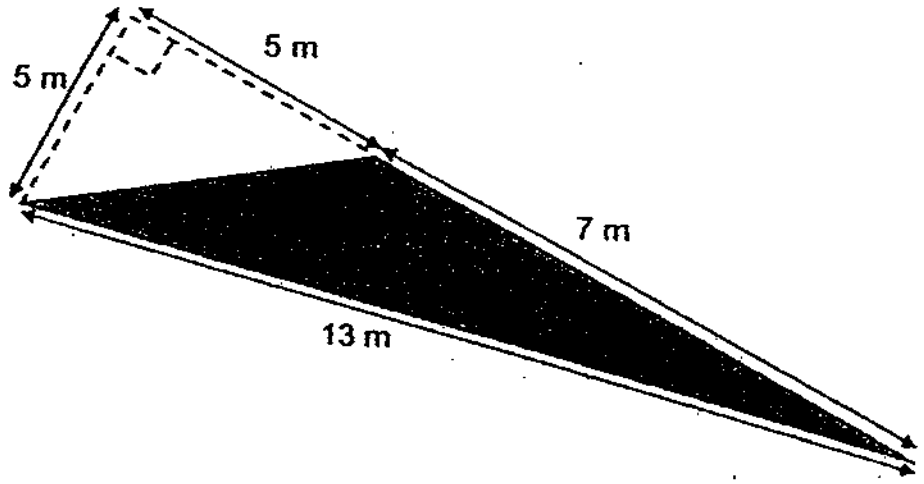
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5. Evaluate $69 - (28 + 5) \times 6 \div 3$.

(1) 51
(2) 72
(3) 3
(4) 92

6.



Find the area of the shaded triangle.

(1) 17.5 m^2
(2) 30 m^2
(3) 32.5 m^2
(4) 45.5 m^2

---

7. What percentage of 25 km is 1000 m?

(1) 4%
(2) 25%
(3) 40%
(4) 2500%

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8. In a class of 42 pupils, 14 pupils take Higher Chinese. What is the ratio of the number of pupils who take Higher Chinese to the number of pupils who do not take Higher Chinese?

(1) 1 : 2
(2) 1 : 3
(3) 2 : 1
(4) 3 : 1

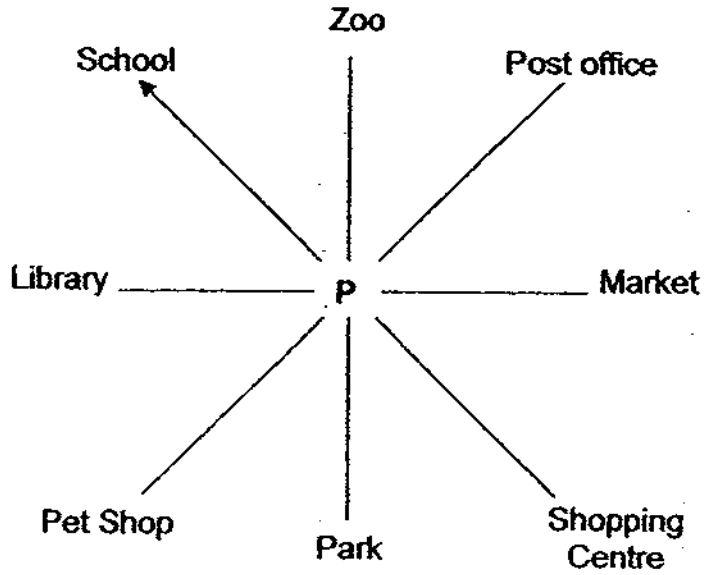
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9. The volume of water in a fish tank was increased from 200 ml to 250 ml. Find the percentage increase in the volume of water.

(1) 20%
(2) 25%
(3) 50%
(4) 125%

---

10. Standing at Point P, Jason was facing the school at first. After he turned 225° in an anti-clockwise direction, which landmark will he be facing?



(1) Park
(2) Market
(3) Pet Shop
(4) Shopping Centre

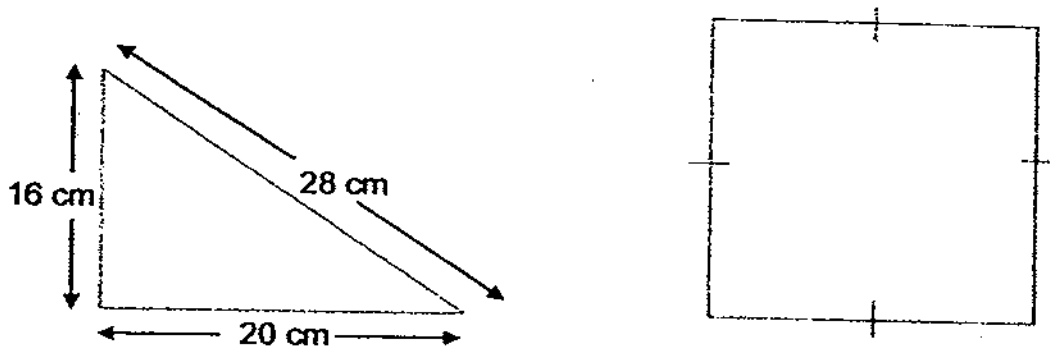
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11. There are 40% as many cheeseburgers as hamburgers and 20% more fries than the total number of burgers at a stall. What is the ratio of cheeseburgers to fries?

(1) 1 : 4
(2) 1 : 3
(3) 5 : 21
(4) 25 : 42

12.



The average perimeter of the triangle and the square is 72 cm. Find the length of the square.

(1) 2 cm
(2) 16 cm
(3) 20 cm
(4) 36 cm

---

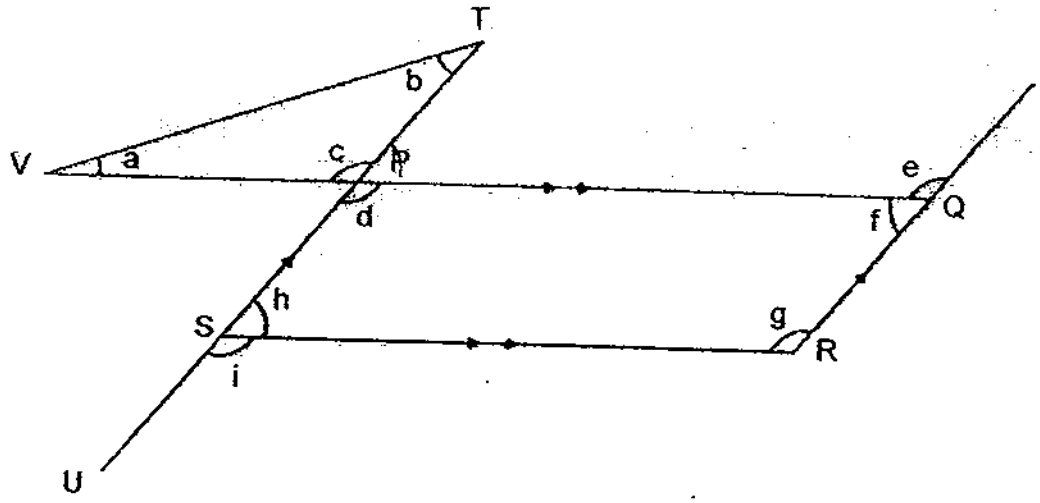
13. In the Super Flyer, there were $\frac{3}{4}$ as many Japanese as Koreans. After 280 Koreans left the Super Flyer, there were then $\frac{2}{5}$ as many Koreans as Japanese. How many Japanese were at the Super Flyer?

(1) 80
(2) 100
(3) 240
(4) 300

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14.



PQRS is a parallelogram. TPU and VPQ are straight lines. Which of the following is **true**?

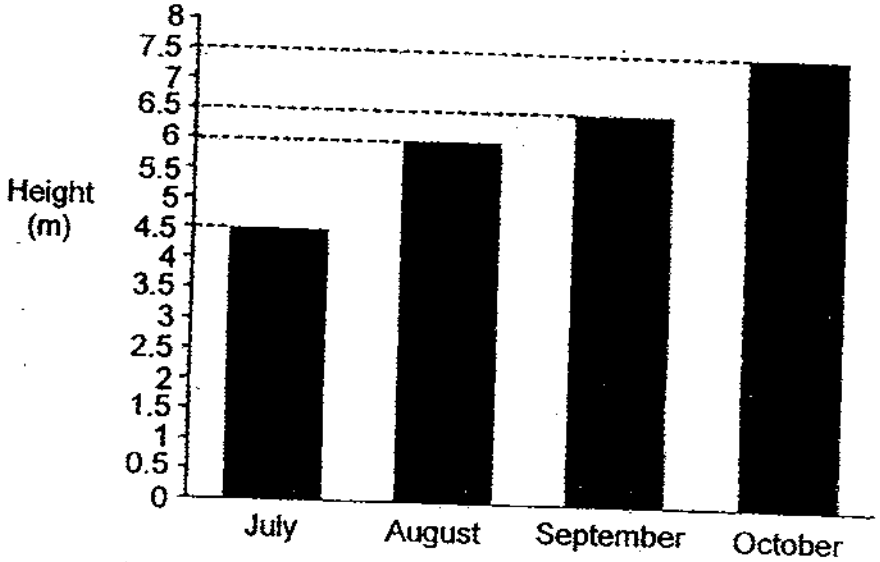
(1) $\angle c + \angle g = 180°$

(2) $\angle a + \angle b = \angle g$

(3) $\angle a + \angle b = \angle e$

(4) $\angle e = \angle i$

15. The graph shows the height of a plant on the last day of each month from July to October.



In which month was the greatest increase in the plant's height recorded?

(1) July

(2) August

(3) September

(4) October

(Go to the next page)

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Name : _____ ( )

Class : P 5_____

27 October 200

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

END-OF-YEAR EXAMINATION 2009

MATHEMATICS

PAPER 1

(BOOKLET B)

15 questions

20 marks

Total Time for Booklets A and B: 50 min

Booklet A	
Booklet B	
Total	

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are **not** allowed to use a calculator.

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Questions **16** to **25** carry 1 mark each. Write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

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

Ans: _____

17. Le Xuan arrived at the cinema to watch a movie at 2.35 p.m. and left when it ended at 5.20 p.m. How long was she at the cinema?

Ans: _____ h _____ min

18. $\frac{5}{6}$ of Ravi's storybooks is as much as $\frac{4}{7}$ of Cynthia's storybooks.
Express Ravi's storybooks as a ratio of Cynthia's storybooks.

Ans: _____

19. What fraction of 3 kg is 450 g?
Express your answer in the simplest form.

Ans: _____

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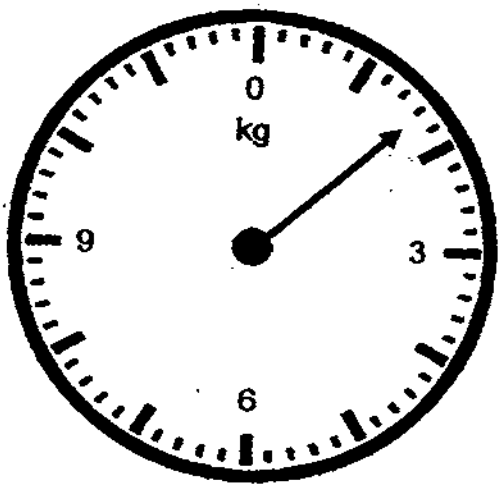
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20. Simplify the ratio $0.4 : 1\frac{1}{5}$.

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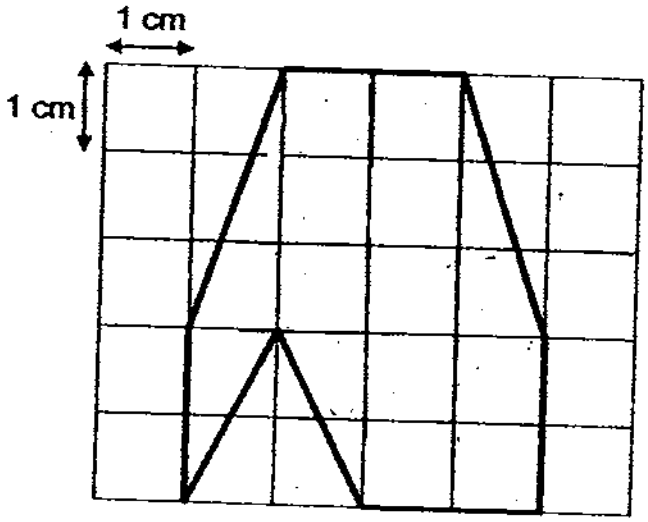
Ans: _____

21. The weight of a laptop is shown below. Express the measurement in decimal.



Ans: _____ kg

22. Find the area of the following figure.



Ans: _____ cm^2

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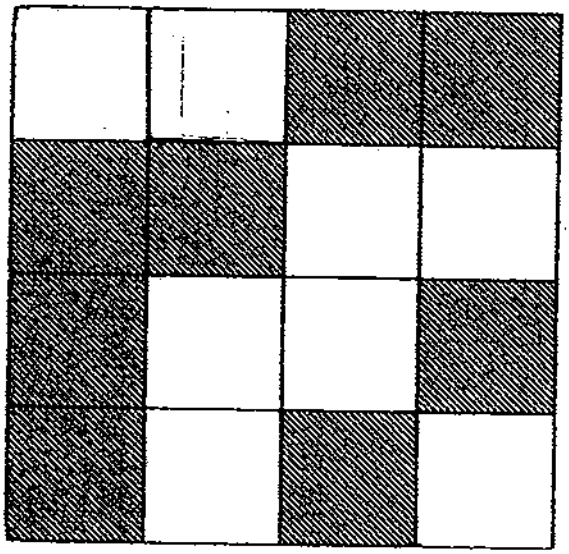
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23. What is 6 tenth less than the product of 7.5 and 8? Express the answer as a mixed number.

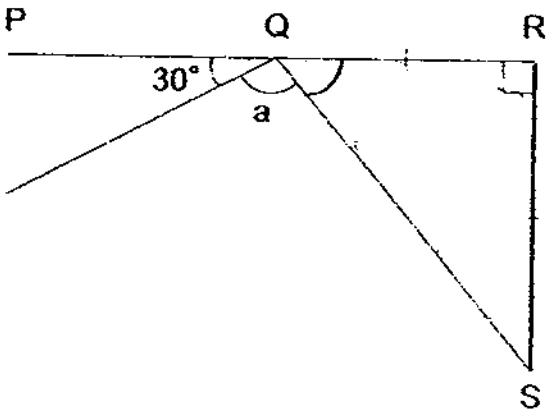
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Ans: _____

24. Shade **one** more square so that the figure has only one line of symmetry.



25. PQR is a straight line as shown in the figure below. Find the value of $\angle a$.



Ans: _____ °

Total marks for questions 16 to 25

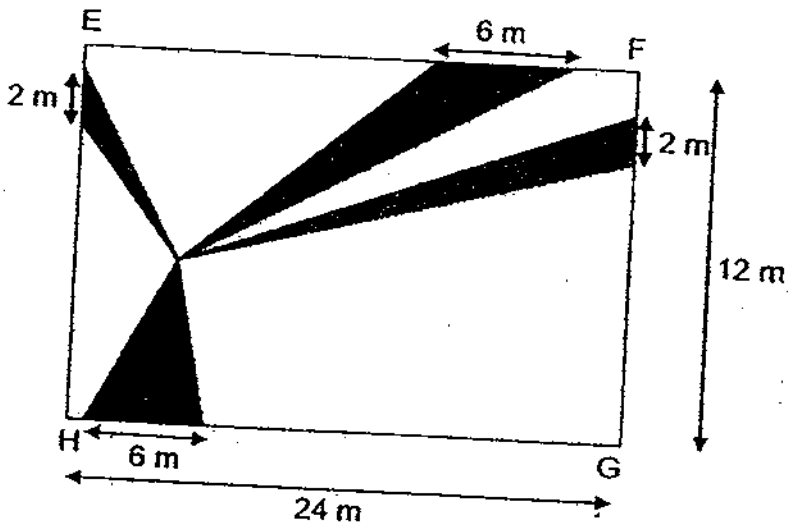
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Questions **26** to **30** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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26. The figure below is made up of 4 triangles within a rectangle EFGH. Find the total shaded area.



Ans: _____ m^2

27. Construct a parallelogram PQRS in which PS = 6 cm and $\angle QPS = 115°$. SR is one side of the parallelogram.

S

R

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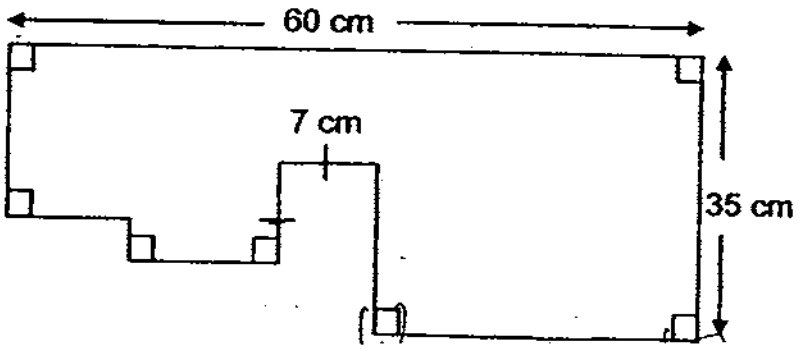
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28. Gabriel bought 6 pizzas. He cut each of them into 6 equal portions and gave 26 portions away. What fraction of the pizza was left? (Leave your answer in the simplest form.)

Ans: _____

29. Find the perimeter of the figure below.



Ans: _____ cm

30. The ratio of the number of flats to the number of condominiums in a town was 3 : 8. After more condominiums were launched, 20% of the total number of housing was flats. What was the percentage increase in the number of condominiums?

Ans: _____ %

End of Paper 1

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Name : _____ ( )

Class : P 5 _____

27 October 2009

CATHOLIC HIGH SCHOOL

PRIMARY FIVE

END-OF-YEAR EXAMINATION 2009

MATHEMATICS

PAPER 2

Paper 1 Booklet A	20
Paper 1 Booklet B	20
Paper 2	60
Total Marks	100

Total Time: 1 h 40 min

Parent's Signature: _____

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Show your working clearly as marks are awarded for correct working.

Write your answers in this booklet.

You are allowed to use a calculator.

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Questions **1** to **5** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

Do not write in this space

1. The ratio of David's books to Tom's books is 2 : 7. If David has 40 books less than Tom, how many books does Tom have?

Ans: _____

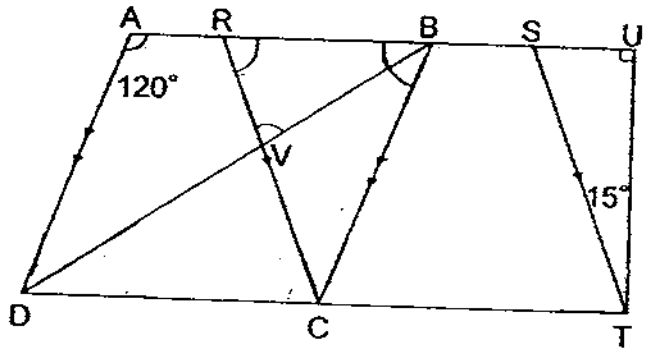
2. The table below shows the number of hours each pupil spends on the computer in a day.

Number of hours	0	1	2	3	4	5
Number of pupils	5	15	11	13	6	0

What is the average number of hours each pupil spend on the computer?

Ans: _____

3. ABCD and RSTC are rhombuses. If $\angle DAR = 120°$ and $\angle STU = 15°$, find $\angle RVB$.

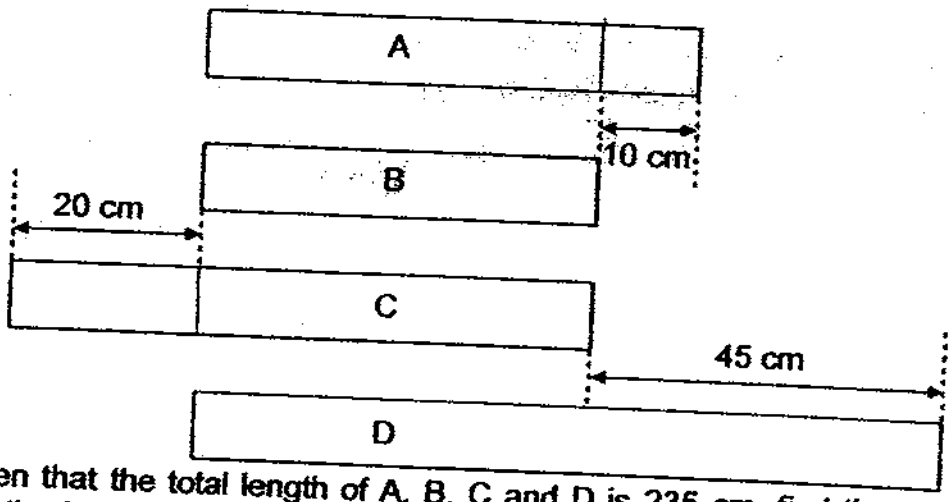


Ans: _____ °

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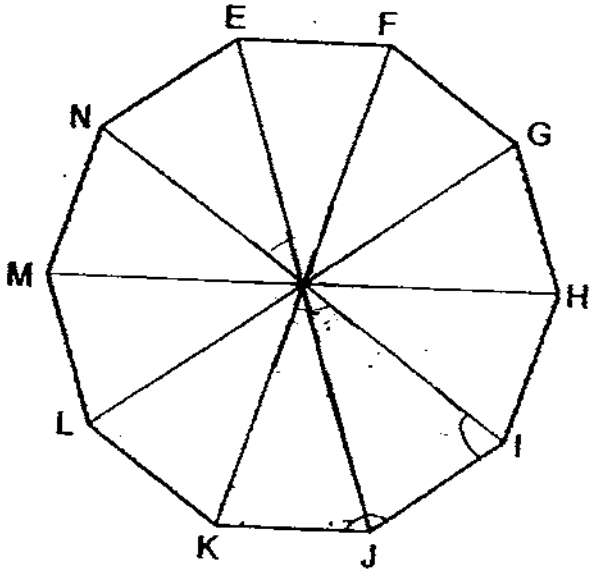
4. The diagram shows four ribbons A, B, C and D.



Given that the total length of A, B, C and D is 235 cm, find the ratio of the length of A : C.

Ans: _____

5. The figure is made up of ten similar isosceles triangles. Find ∠IJK.



Ans: _____ °

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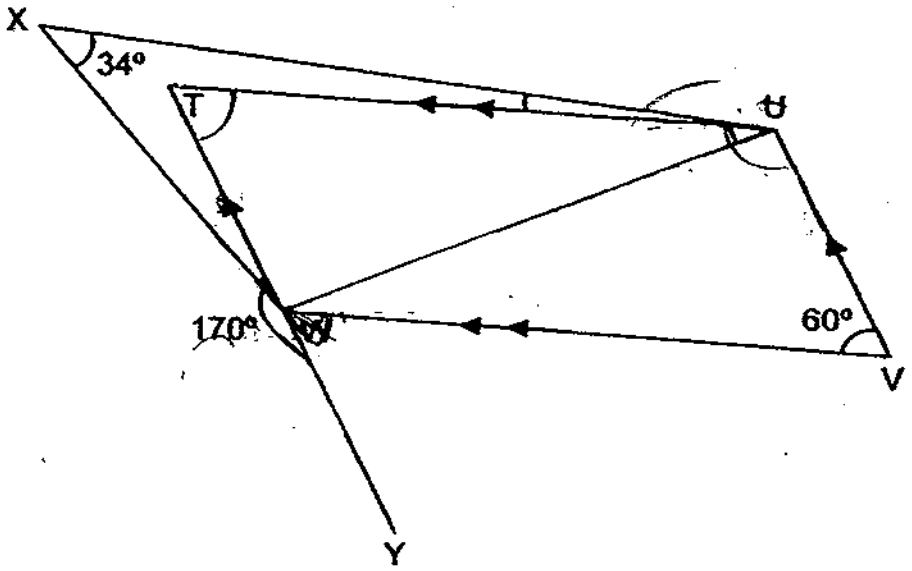
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For questions **6** to **18**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question. (50 marks)

Do not write in this space

6. In the figure, not drawn to scale, TUVW is a parallelogram. TWY is a straight line. Find ∠XUT.



Ans: _____ [3]

7. A chair and 2 tables cost $720. If a chair costs $270 less than the table, what is the cost of a table?

Ans: _____ [3]

(Go to the next page)

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8. Daniel had some stamps. 40% of them are local and the rest are foreign stamps. He gave away 20% of the local stamps and $\frac{1}{3}$ of the foreign stamps. What percentage of the stamps was left?

Do not write in this space

Ans: _____ [3]

9. Samuel spent $36 on some stationery and 25% of his remaining money on some toys. If he had 50% of his total money left, how much did he have at first?

Ans: _____ [3]

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10. A class was fixing a puzzle of their photos. In the first hour, the ratio of the number of fixed pieces to unfixed pieces is 1 : 5. In the next hour, they fixed another 15 pieces of the puzzle. Finally, the number of fixed pieces became 60% of the unfixed pieces. How many pieces were there in the puzzle?

Do not write in this space

Ans: _____ [3]

11. Lucas bought 15 bowls of ice cream at $2.50 each. If each bowl of ice cream costs 50 cents less, how many more bowls of ice cream can he buy with the same amount of money?

Ans : _____ [3]

(Go to the next page)

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12. David spent $\frac{1}{6}$ of his money and an additional \$5 on a CD. He then spent $\frac{2}{5}$ of his remaining money and an additional \$12 on some magazines. Given that he was left with \$24, how much money did he have at first?

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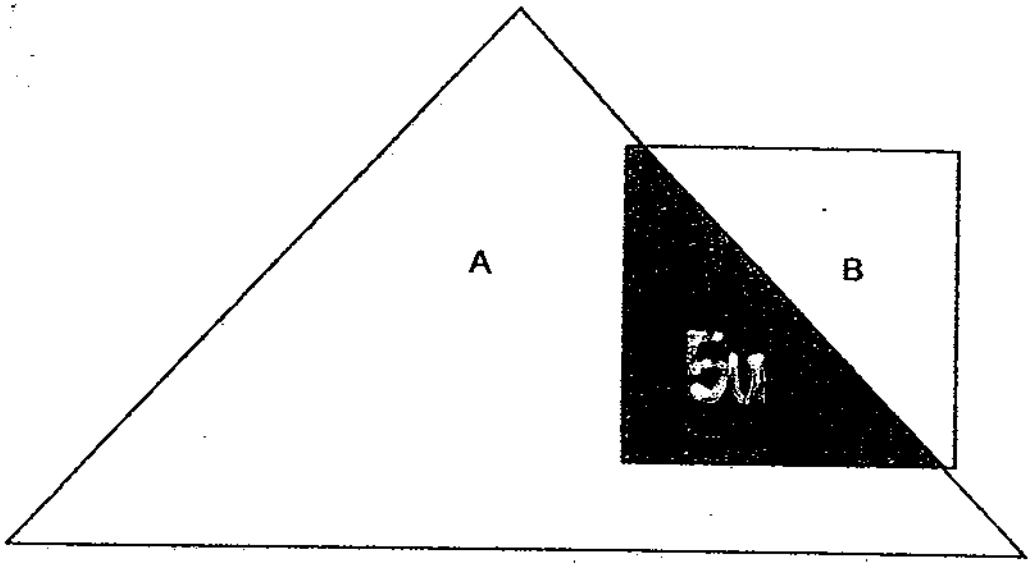
Ans: _____ [4]

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13. The figure below is made up of a square and a triangle.
The difference between the unshaded area A and unshaded area B is 8000 cm^2.

Given that the area of the square is $\frac{4}{9}$ of the area of the triangle, find the length of the square.



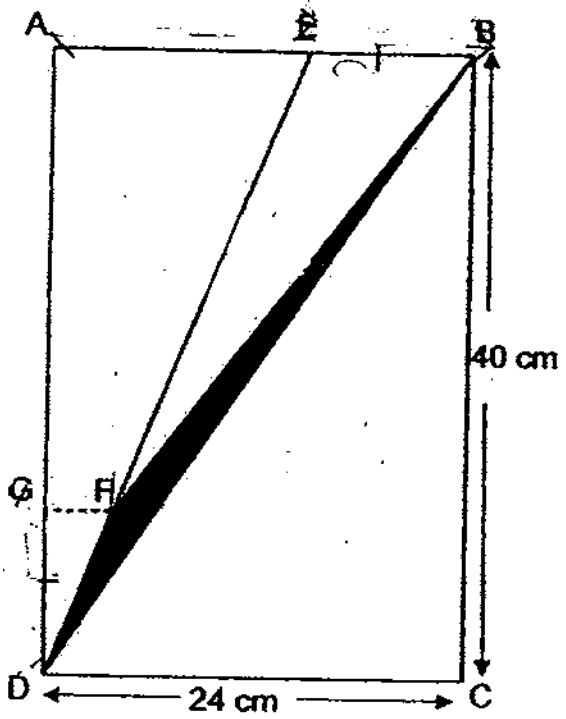
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Ans: _____ [4]

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14. The figure is made up of a rectangle ABCD.
EFD is a straight line and EB = GD.
The ratio of AE to AB is 5 : 8.
Find the shaded area.



Do not write in this space

Ans: _____ [4]

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15. Jude had 20% more money than Ken. Jude gave 40% of his money to Ken. Ken then gave 50% of his money to Jude.
In the end, Ken had $216 less than Jude. How much did Jude have at first?

Do not write in this space

Ans: _____ [5]

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16. A piggy bank had some 20-cent and 50-cent coins.
$\frac{2}{3}$ of the number of 20-cent coins is equal to $\frac{5}{6}$ of the number of 50-cent coins.
If there is a total of 162 coins, find the total value of all the coins in the piggy bank.

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in this spac

Ans: _____ [5]

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17. The number of pupils in the hall is twice the number of pupils in the canteen. $\frac{3}{4}$ of the pupils in the hall were boys and $\frac{3}{5}$ of the pupils in the canteen were girls.
If there were 6 more girls in the canteen than in the hall, find the number of pupils in the hall.

Do not writ
in this spac

Ans: _____ [5]

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18. Mrs Lim bought some bowls and plates. If she buys another 5 bowls, there are 60% as many bowls as plates. If she buys another 9 plates, there will be thrice as many plates as bowls. How many bowls did she buy?

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Ans: _____ [5]

End of Paper 2

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Answer Ke

EXAM PAPER 2009

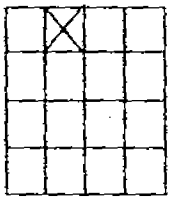
SCHOOL : CATHOLIC HIGH PRIMARY
SUBJECT : PRIMARY 5 MATHEMATICS

TERM : SA2

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

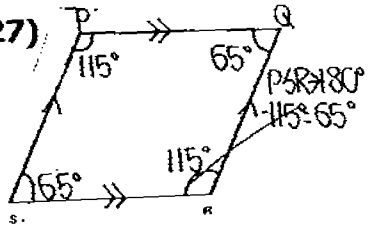
16)4.38 **17)2h 45 min** **18)24:35** **19)3/20** **20)1:3**

21)1.6kg **22)15cm2** **23)592/5** **24)**



25)105° **26)60m2**

27)



28)5/18 **29)204cm**

30)50%

Paper 2

1)56 **2)2** **3)75°** **4)5:6** **5)144** **6)16°**

7)330 **8)72%** **9)$108** **10)72** **11)3** **12)$78**

13)80cm **14)40.5cm2** **15)$360** **16)$54** **17)120**

18)13

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