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# Rosyth School
# End-of-Year Examination 2024
# Mathematics
# Primary 4

Name : _____ ( ) Total 100

Class : Pr 4 - _____ Duration: 1 h 45 min

Date : _____ Parent's Signature: _____

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Instructions to Pupils:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. This paper consists of 3 parts: Sections A, B and C.
5. For questions 1 to 15 in Section A, shade your answers in the Optical Answer Sheet (OAS).

| | Maximum Marks | Marks Obtained |
|---|---|---|
| **Section A** | **30** | |
| **Section B** | **42** | |
| **Section C** | **28** | |
| **Total** | **100** | |

* This paper **consists of 29 printed pages** altogether (including the cover page).

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**Section A (30 marks)**

Questions **1** to **15** carry 2 marks each. For questions 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct ovals (1, 2, 3 or 4) onto the Optical Answer Sheet provided.

***All diagrams in this paper are not drawn to scale unless stated otherwise.***

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1. In which of the following does the digit 5 stand for 500?

   (1) 3657
   (2) 5736
   (3) 6573
   (4) 7365

2. Which of the following is a factor of both 24 and 30?

   (1) 8
   (2) 6
   (3) 5
   (4) 4

3. Which number when rounded to the nearest ten becomes 53 200?

   (1) 53 194
   (2) 53 196
   (3) 53 205
   (4) 53 213



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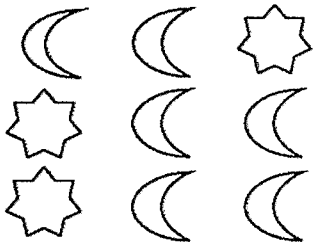
4. What fraction of the shapes are ?



(1) $\frac{3}{9}$

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

(3) $\frac{6}{9}$

(4) $\frac{6}{3}$

5. How many one-fifths are there in 3 wholes?

(1) $\frac{5}{3}$

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

(3) 3

(4) 15

6. The digit 6 in 23.16 stands for 6 _____

(1) tens

(2) ones

(3) tenths

(4) hundredths



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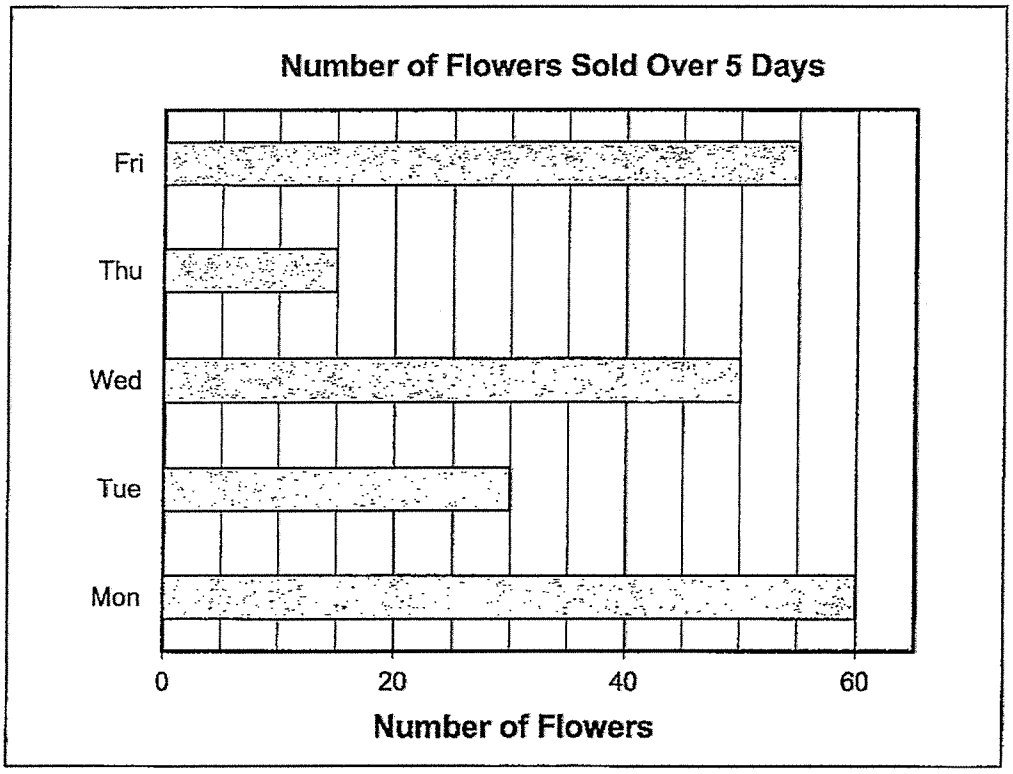
7. The bar graph below shows the number of flowers Mrs Soh sold over 5 days.




On which day did Mrs Soh sell twice as many flowers as on Tuesday?

(1) Monday

(2) Wednesday

(3) Thursday

(4) Friday



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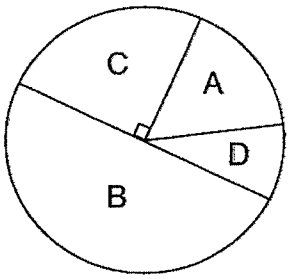
8. The table below shows the favourite canteen stalls of 40 students.

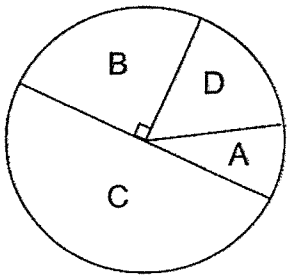
| Stall | Number of Students |
|---|---|
| A | 7 |
| B | 10 |
| C | 20 |
| D | 3 |

Which of the following pie charts shows the above information?

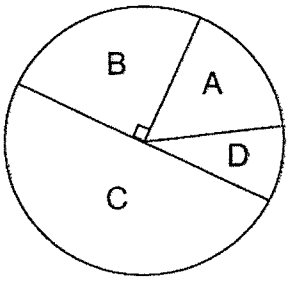
(1)



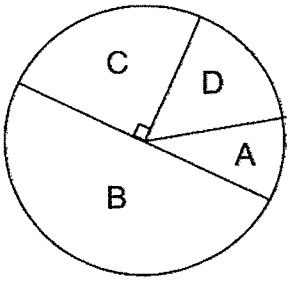

(2)




(3)




(4)



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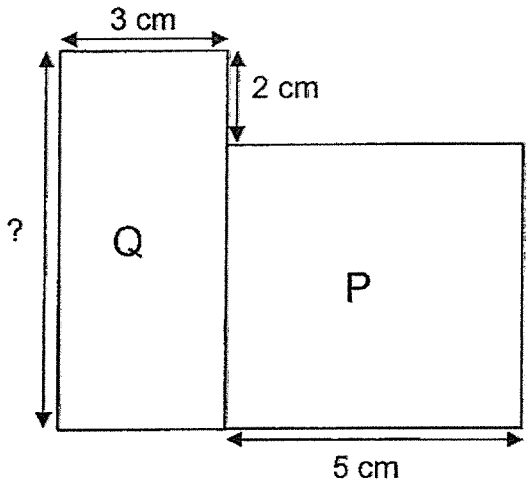
9. The figure shown is made up of Square P of side 5 cm and Rectangle Q with breadth 3 cm. What is the length of rectangle Q?



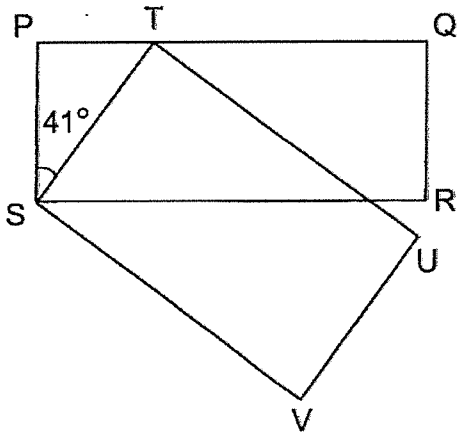

(1) 5 cm

(2) 7 cm

(3) 8 cm

(4) 10 cm

10. The figure below is formed by two rectangles PQRS and STUV. ∠PST = 41°. Find ∠PSV.




(1) 49°

(2) 90°

(3) 131°

(4) 139°



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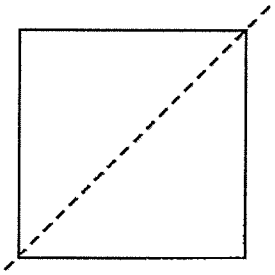
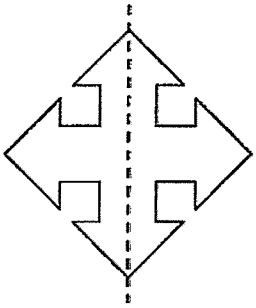
11. Which of the following dotted line in the figure does not show the correct line of symmetry?

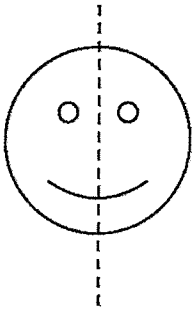
(1)



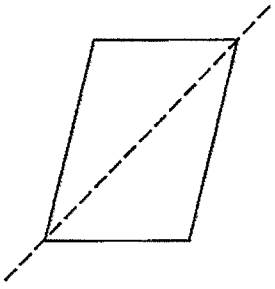
(2)



(3)



(4)





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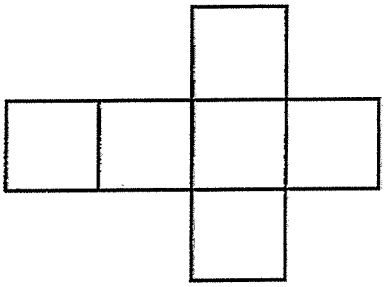
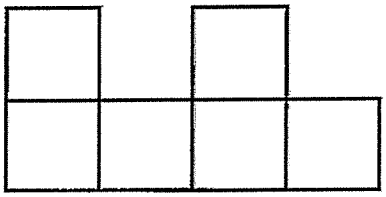
12. Which of the following is a net of a cube?

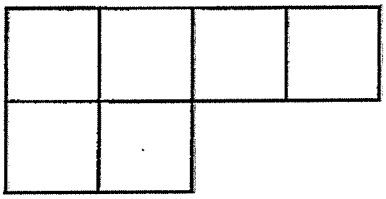
(1)



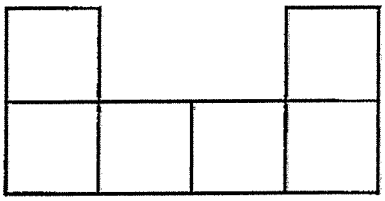
(2)



(3)



(4)





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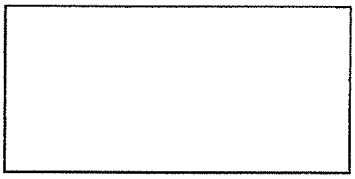
13. The rectangle below has a perimeter of 36 cm. The length is 12 cm. Find the area of the rectangle.



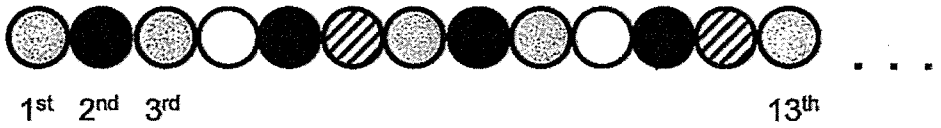

(1) 30 $cm^2$

(2) 48 $cm^2$

(3) 72 $cm^2$

(4) 144 $cm^2$

14. Devi made a bracelet using some beads strung together in a repeated pattern. The first 13 beads are shown below.




Which of the following is the 100th bead?

(1)

(2)

(3)

(4)



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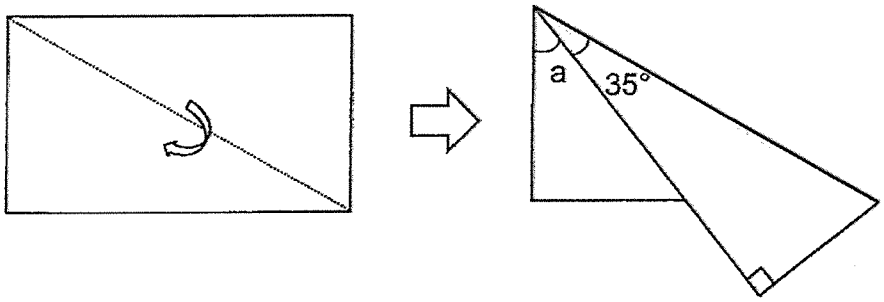
15. Ahmad folds a rectangular piece of paper along the dotted line as shown below. Find $\angle a$.




(1) 10°

(2) 20°

(3) 35°

(4) 55°



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**Section B (42 marks)**

Questions **16** to **36** carry 2 marks each. Show your working clearly in the space provided for each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

***All diagrams in this paper are not drawn to scale unless stated otherwise.***

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16. 45 069 = 40 000 + 5000 + ____?____ + 9

What is the missing number?

Ans: _____

17. Write the missing number in the number pattern below.

11 000 , 10 600 , 10 200 , _____ , 9400

Ans: _____

18. Which two of the fractions below are smaller than $\frac{1}{2}$?

$\frac{3}{4}$ , $\frac{4}{9}$ , $\frac{5}{10}$ , $\frac{3}{7}$

Ans: _____ and _____



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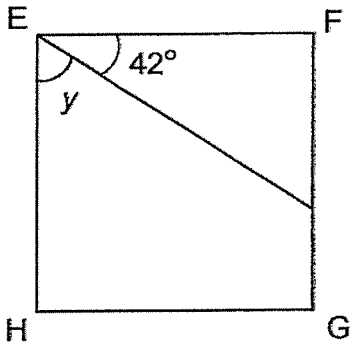
19. What is the value of $\frac{2}{3} + \frac{5}{6}$ ? Express your answer as a mixed number.

Do not write in this space

Ans: _____

20. EFGH is a square. Find $\angle y$.




Ans: _____ °

21. Express 0.15 as a fraction.

Ans: _____



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22. Round 18.57 to the nearest whole number.

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Ans: _____

23. 7.3 – 0.92 = _____

Ans: _____

24. Find the value of 5.79 × 6.

Ans: _____



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25. The pie chart below shows how Edwin uses his monthly pocket money.

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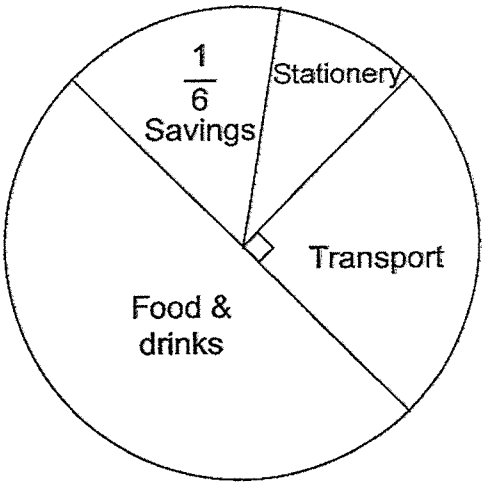


What fraction of Edwin's monthly pocket money is spent on stationery?

Ans: _____



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26. The table shows the favourite fruits of a group of students.

Do not write in this space

| Types of Fruits | Number of Students |
|---|---|
| Apple | 35 |
| Mango | ? |
| Orange | 32 |
| Papaya | 54 |

$\frac{2}{5}$ of the students chose papaya as their favourite fruit. How many students chose mango as their favourite fruit?

Ans: _____



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27. The bar graph below shows the amount of money spent by Cindy over 5 days.

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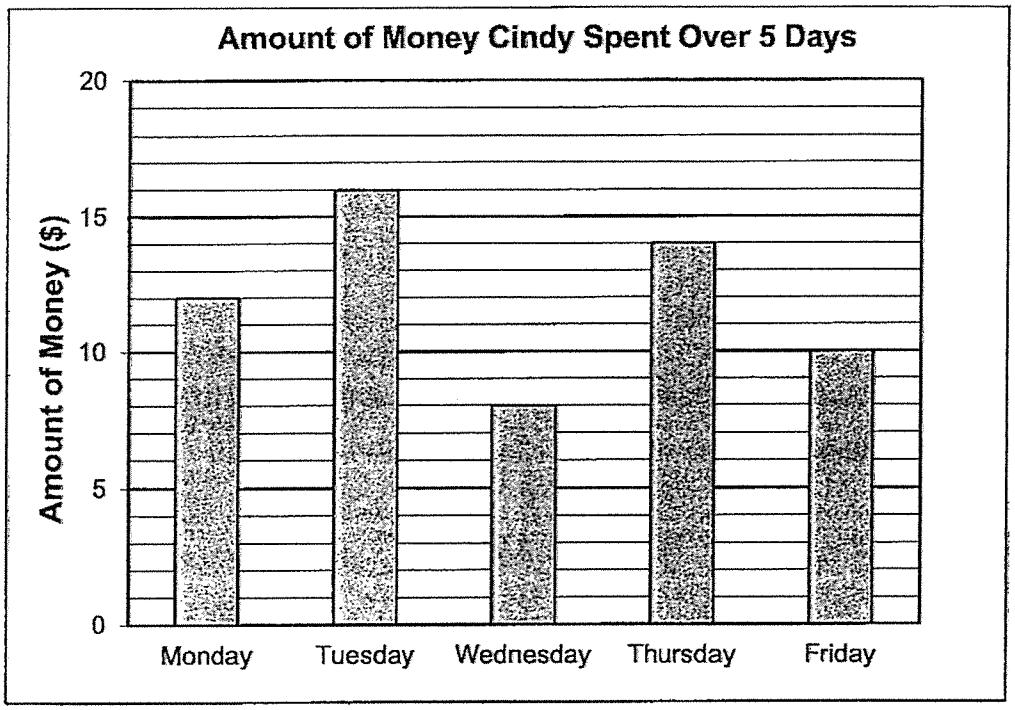


Cindy was given $20 pocket money on each day. How much money did she have left at the end of the 5 days?

Ans: $_____



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28. Mrs Lim wants to buy 35 cupcakes. What is the least amount of money she must pay for them?

Do not write in this space

**Save more when you buy more!**

1 cupcake for $4
3 cupcakes for $10

Ans: $ _____

29. Sally mixed 1.73 ℓ of orange syrup with 4.55 ℓ of water. She poured the mixture equally into 4 bottles. How many litres of the mixture were there in each bottle?

Ans: _____ ℓ



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30. The mass of a watermelon is 3.4 kg. It is 5 times as heavy as a pear. What is the total mass of the pear and the watermelon?

Do not write in this space

Ans: _____ kg

31. Mr and Mrs Tan took their children to watch a circus show on a Sunday. They bought 5 tickets in total. They had 3 children whose ages were 8, 13 and 14.

**Circus Show Ticket Prices**

| | Mon – Fri | Sat – Sun |
|---|---|---|
| **Adult** | $33.50 | $38.50 |
| **Children (12 years and below)** | $16 | $22 |

How much did the 5 tickets cost altogether?

Ans: $ _____



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32. Name the angle that is equal to 105°.

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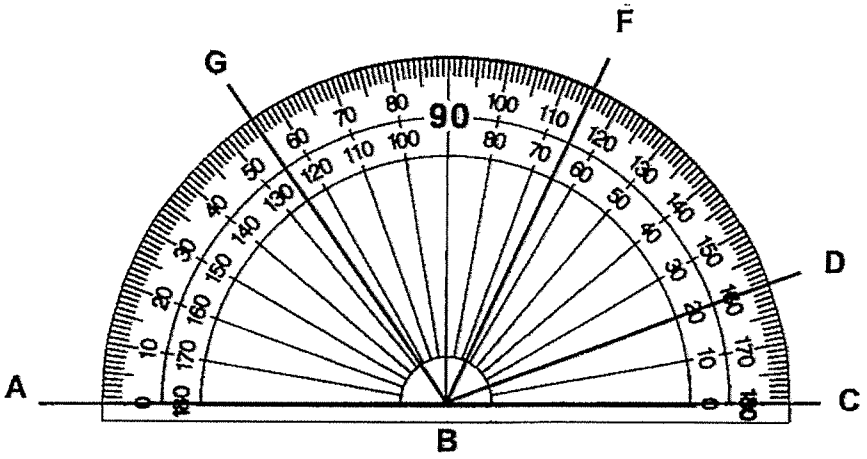
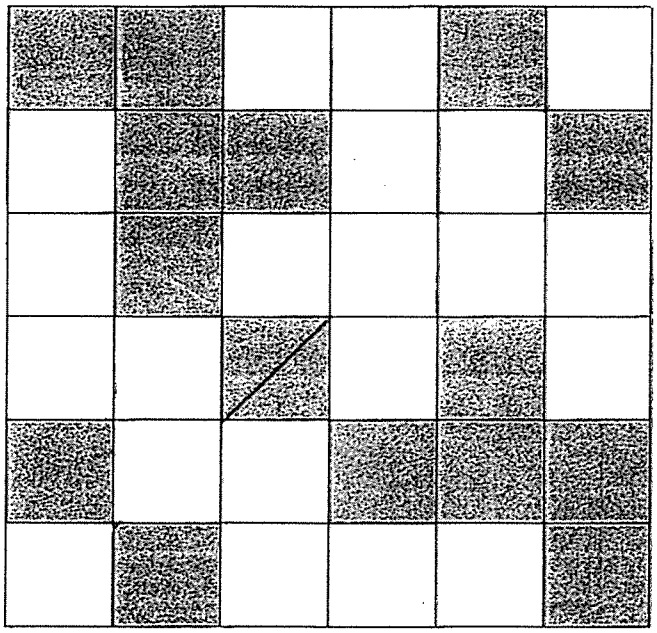



Ans: ∠ _____

33. Use a ruler to draw the line of symmetry in the figure below.





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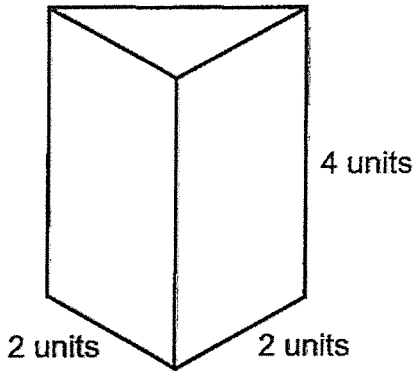
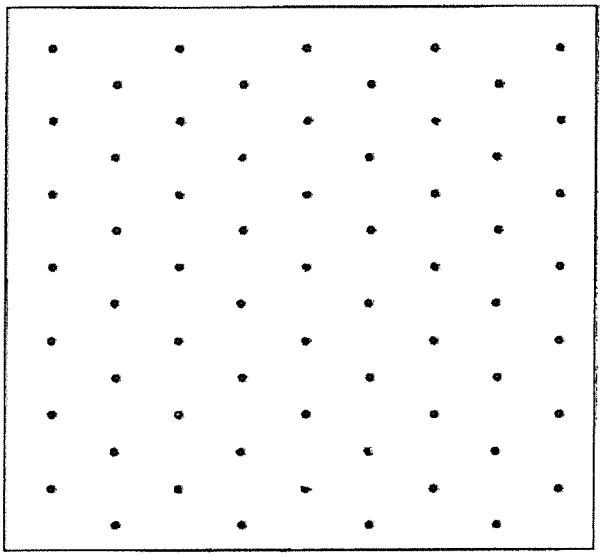
34. The figure below shows a prism.

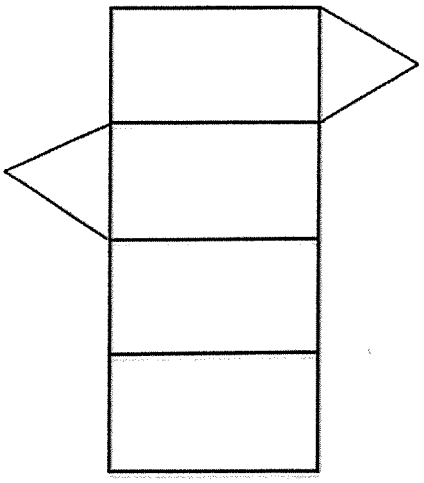
Do not write in this space




(a) Draw its 3-dimensional shape using the isometric grid below.



(b) The figure below is **not** a net of the prism given above because it has an extra face. Find the extra face and put a cross (x) on it.





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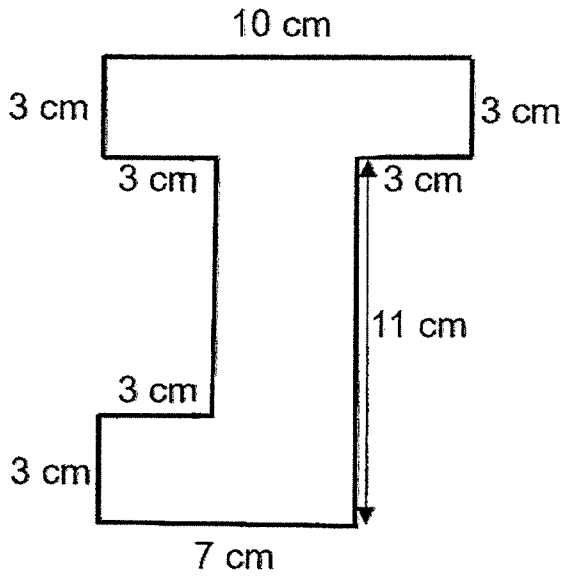
35. The figure below is made up of straight lines that meet at right angles. Find its area.

Do not write in this space




Ans: _____ $cm^2$



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36. A piece of wire was bent to form a square of side 12 cm as shown in Figure 1. The same piece of wire was then bent to form a rectangle as shown in Figure 2. The length of the rectangle was twice as long as its breadth. Find the length of the rectangle in Figure 2.

Do not write in this space

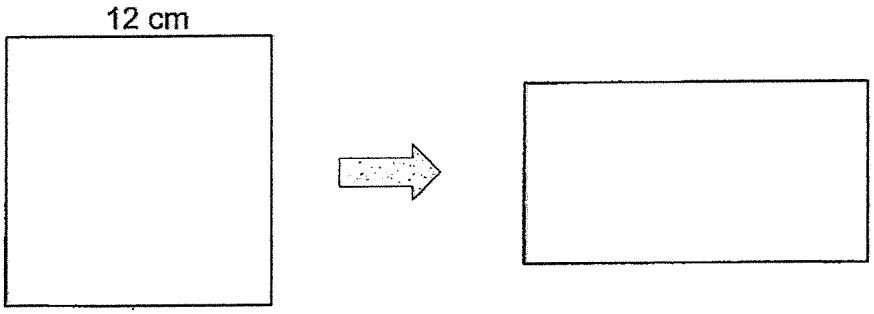


Figure 1 Figure 2

Ans: _____ cm



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**Section C (28 marks)**

Questions **37** to **40** carry 3 marks each. Questions **41** to **44** carry 4 marks each. Show your working clearly 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.

Do not write in this space

37. The cost of 6 identical laptops is $7692. Find the cost of 5 such laptops.

Ans: _____ [3]

38. Leon has $\frac{2}{5}$ kg of flour in a container. He has $\frac{1}{2}$ kg of flour less than Siti.

How much flour do they have altogether? Express your answer as a mixed number in its simplest form.

Ans: _____ [3]



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39. A tank was completely filled with water at first. The line graph below shows the volume of water left in the tank over a 5-hour period.

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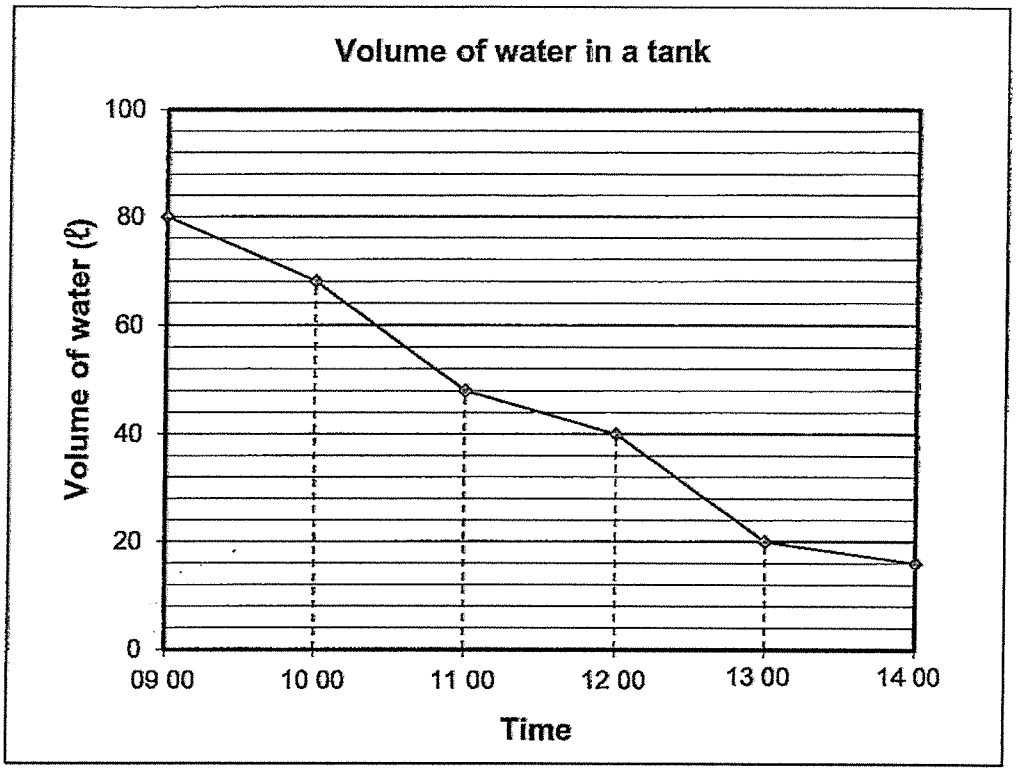


(a) At what time was the tank half filled with water?

Ans: (a) _____ [1]

(b) What fraction of the tank was filled with water at 14 00? Express your answer in its simplest form.

Ans: (b) _____ [2]



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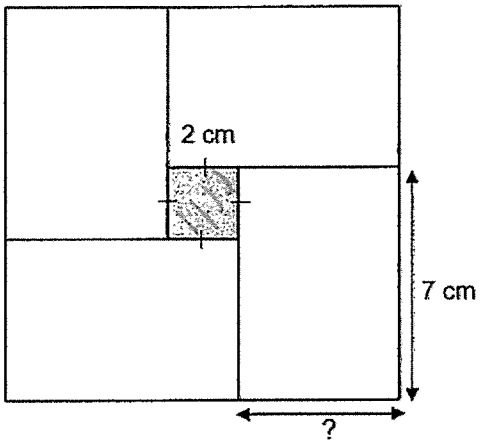
40. The figure below is made up of 4 identical rectangular tiles and 1 grey square tile. The length of the grey square tile is 2 cm.

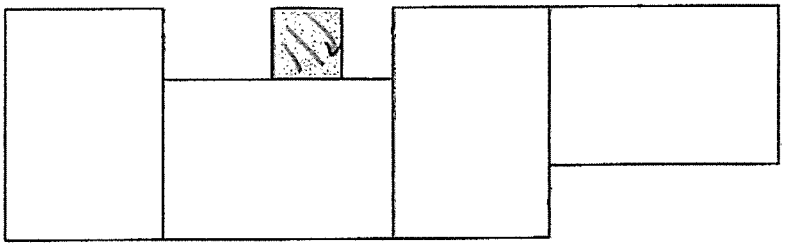
Do not write in this space




(a) Find the breadth of the rectangle.

Ans: (a) _____ [1]

(b) Samy rearranged the tiles to form the figure below. Find the perimeter of the new figure.



Ans: (b) _____ [2]



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Do not write in this space

41. Mrs Lee baked some cookies and ate $\frac{2}{9}$ of the cookies. She gave 12 cookies to her friend and had 9 cookies left.

(a) How many cookies did she bake?

Ans: (a) _____ [2]

(b) What fraction of the cookies did she have left? Express your answer in its simplest form.

Ans: (b) _____ [2]



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42. Sharon and Leo had a total of 3260 stickers. Sharon had 3 times as many stickers as Leo. How many stickers must Sharon give to Leo so that Sharon has 270 more stickers than Leo?

Do not write in this space

Ans: _____ [4]



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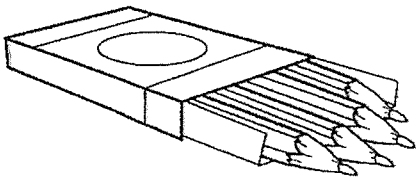
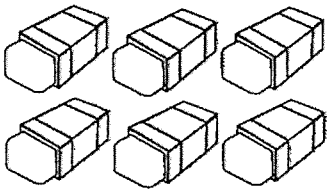
43. A bookshop sells pencils in packs of 4 and erasers in packs of 6.

Do not write in this space



**4 pencils for $3**



**6 erasers for $5**

(a) Henry bought an equal number of pencils and erasers. What is the least number of pencils he could have bought?

Ans: (a) _____ [1]

(b) Liling used all her money to buy 44 pencils. Using the same amount of money, what is the greatest number of erasers she could buy?

Ans: (b) _____ [3]



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44. Keith and Sam had the same amount of money. Keith bought 6 egg tarts and had $1.90 left. Sam wanted to buy 10 egg tarts but was short of $5.50.

Do not write in this space

(a) What was the cost of 1 egg tart?

Ans: (a) _____ [2]

(b) How much money did Sam have?

Ans: (b) _____ [2]

**End of Paper**



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YEAR : 2024
LEVEL : PRIMARY 4
SCHOOL : ROSYTH SCHOOL
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

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

| | | | |
|---|---|---|---|
| Q16 | 60 | Q17 | 9800 |
| Q18 | $\frac{4}{9}$ *and* $\frac{3}{7}$ | Q19 | $1\frac{1}{2}$ |
| Q20 | 90-42=48 | Q21 | $\frac{15}{100}$ |
| Q22 | 19 | Q23 | 6.38 |
| Q24 | 34.74 | Q25 | $\frac{1}{2}+\frac{1}{4}=\frac{3}{4}$<br>$\frac{3}{4}+\frac{1}{6}=\frac{11}{12}$<br>$\frac{12}{12}-\frac{11}{12}=\frac{1}{12}$ |
| Q26 | 35+32=67<br>67+54=121<br>135-121=14 | Q27 | 12+16=28<br>28+8=36<br>36+14=50<br>50+10=60<br>20x5=100<br>100-60=40 |
| Q28 | $35\div 3 = 11R2$<br>11x10=110<br>110+4+4=118 | Q29 | 1.73+4.55=6.28<br>$6.28\div 4 = 1.57$ |
| Q30 | $3.4\div 5 = 0.68$<br>3.4+0.68=4.08 | Q31 | 38.5x4=154<br>154+22=176 |

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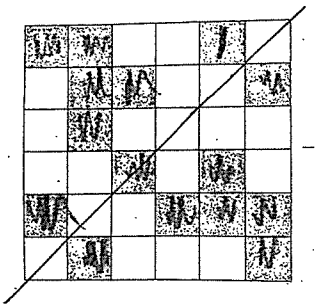
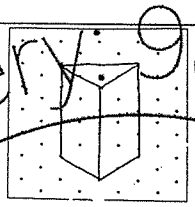
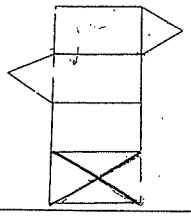
|---|---|---|---|
| Q32 | DBG | Q33 |  |
| Q34 | a)  <br>b)  | Q35 | 11-3=8<br>3x7=21<br>8x4=32<br>10x3=30<br>21+32=53<br>53+30=83 |
| Q36 | 12x4=48<br>2+2+1+1=6<br>$48 \div 6 = 8$<br>8x2=16 | Q37 | $7692 \div 6 = 1282$<br>1282x5=6410 |
| Q38 | $\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$<br>$\frac{9}{10} + \frac{4}{10} = 1\frac{3}{10}$ | Q39 | a) 1200<br>b) $\frac{1}{5}$ |
| Q40 | a) 7-2=5<br>b) 7x4=28<br>5x6=30<br>2x6=12<br>28+12=40<br>40+30=70 | Q41 | a) 12+9=21<br>$\frac{9}{9}$=21 $\div 3x3 = 27$<br>b) $\frac{1}{3}$ |
| Q42 | 3260-270=2990<br>$2990 \div 2 = 1495$<br>1495+270=1765<br>2445-1765=680 | Q43 | a) 12<br>b) $44 \div 4 = 11$<br>11x3=33<br>$33 \div 5 = 6R3$<br>6x6=36 |
| Q44 | a) 5.50+1.90=7.40<br>$7.40 \div 4 = 1.85$<br>b) 1.85x6=11.10<br>11.10+1.9=13 | | |

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END

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