RAFFLES GIRLS' PRIMARY SCHOOL
END-OF-YEAR EXAMINATION 2021
MATHEMATICS
PRIMARY 4

Name: _____( )

Math Teacher: _____ Form Class: P4 _____

Date: 27 Oct 2021 Duration: 1 h 45 min

Your Score	
Section A (Out of 25 marks)	
Section B (Out of 40 marks)	
Section C (Out of 35 marks)	
Overall (Out of 100 marks)	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.

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SECTION A (25 marks)

Questions 1 to 5 carry 1 mark each. Questions 6 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 your answer (1, 2, 3 or 4) on the OAS provided.

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1. In which of the following numbers does the digit 3 stand for 300?

   (1) 3945

   (2) 4539

   (3) 5394

   (4) 9453

2. Which of the following is a multiple of 6?

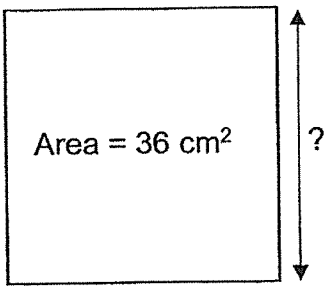
   (1) 30

   (2) 28

   (3) 3

   (4) 16

3. What is the length of the square shown?



   (1) 6 cm

   (2) 9 cm

   (3) 18 cm

   (4) 144 cm

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4. 2 h 16 min = _____

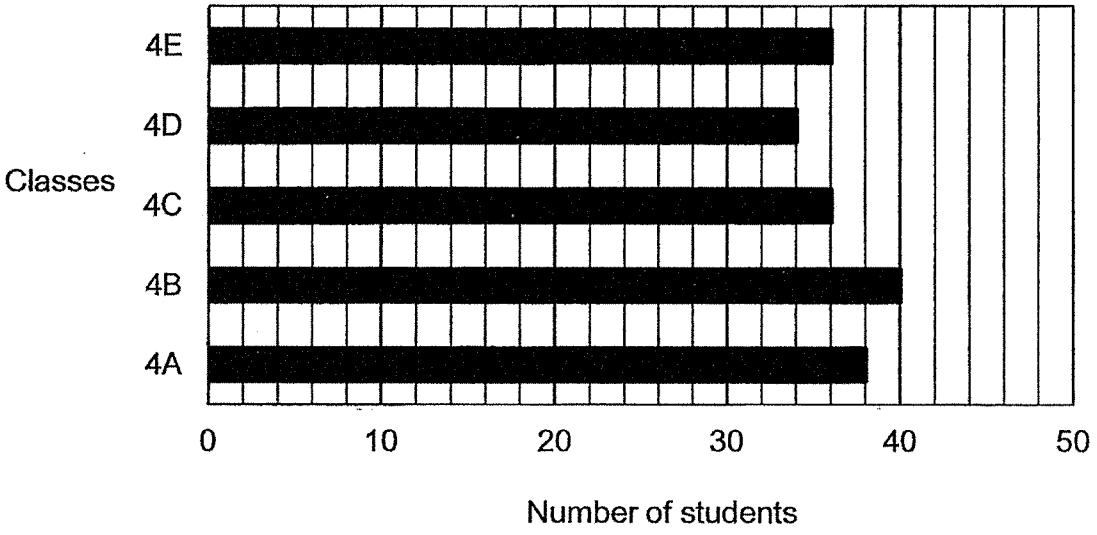
(1) 18 min

(2) 76 min

(3) 136 min

(4) 216 min

5. The graph shows the number of students in the 5 classes, 4A to 4E.



How many students are there in 4A and 4D?

(1) 34

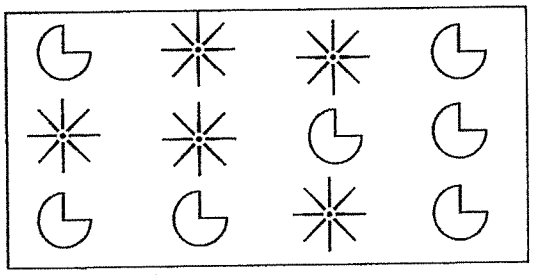
(2) 38

(3) 62

(4) 72

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6. What fraction of the shapes in the box are  ?



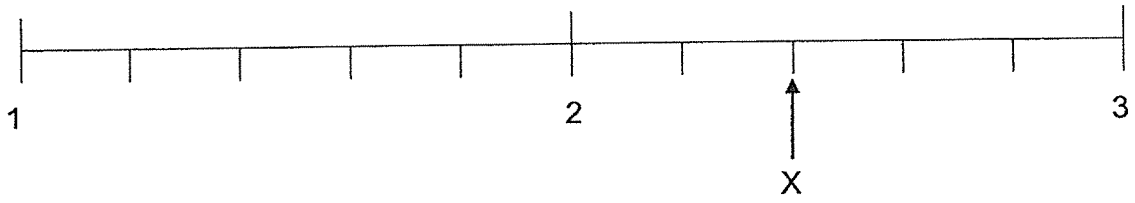
(1) $\frac{7}{12}$

(2) $\frac{7}{5}$

(3) $\frac{5}{12}$

(4) $\frac{5}{7}$

7. Which of the following mixed numbers is represented by the letter X in the number line shown?



(1) $2\frac{2}{5}$

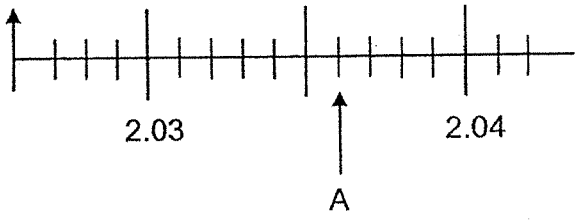
(2) $2\frac{3}{5}$

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

(4) $3\frac{3}{5}$

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8. Which of the following decimals is represented by the letter A in the number line?



(1) 2.031

(2) 2.036

(3) 2.044

(4) 2.046

9. Which of the following letters has perpendicular lines?

(1) N

(2) A

(3) Z

(4) H

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10. Arrange the following decimals from the greatest to the smallest.

9.3 , 0.93 , 9.03 , 0.39

(greatest) *(smallest)*

(1) 9.03 , 9.3 , 0.93 , 0.39

(2) 9.3 , 9.03 , 0.93 , 0.39

(3) 9.03 , 0.93 , 0.39 , 9.3

(4) 0.39 , 0.93 , 9.3 , 9.03

11. Arrange the following fractions from the smallest to the greatest.

$\frac{3}{4}$, $\frac{2}{3}$, $\frac{7}{12}$

(smallest) *(greatest)*

(1) $\frac{3}{4}$, $\frac{2}{3}$, $\frac{7}{12}$

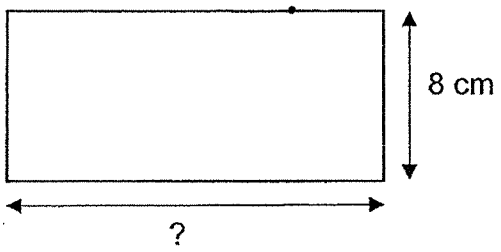
(2) $\frac{2}{3}$, $\frac{3}{4}$, $\frac{7}{12}$

(3) $\frac{2}{3}$, $\frac{7}{12}$, $\frac{3}{4}$

(4) $\frac{7}{12}$, $\frac{2}{3}$, $\frac{3}{4}$

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12. The figure shows a rectangle with a perimeter of 72 cm. The breadth of the rectangle is 8 cm.



What is the length of the rectangle?

(1) 9 cm

(2) 16 cm

(3) 28 cm

(4) 56 cm

13. The mass of 5 identical bottles of juice is 10.15 kg. What is the mass of 3 such bottles of juice?

(1) 2.03

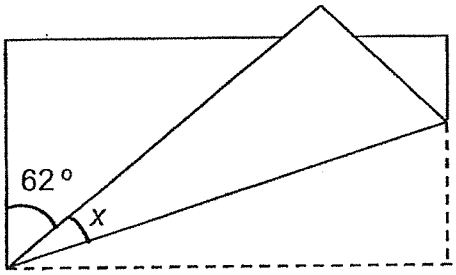
(2) 2.3

(3) 6.09

(4) 6.9

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14. A rectangular piece of paper was folded as shown. Find the value of $\angle x$.



(1) 14°

(2) 28°

(3) 31°

(4) 45°

15. The table shows the price of tickets for a museum tour. Deepa sold twice as many children tickets as adult tickets and collected $1200. How many children tickets did Deepa sell?

	Price of ticket
Child	$ 1
Adult	$ 3

(1) 240

(2) 300

(3) 400

(4) 480

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SECTION B (40 marks)

Questions 16 to 35 carry 2 marks each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. All diagrams are not drawn to scale.

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16. Arrange the following numbers from the smallest to the greatest.

3526 , 3265 , 3652

_____ , _____ , _____
(smallest) *(greatest)*

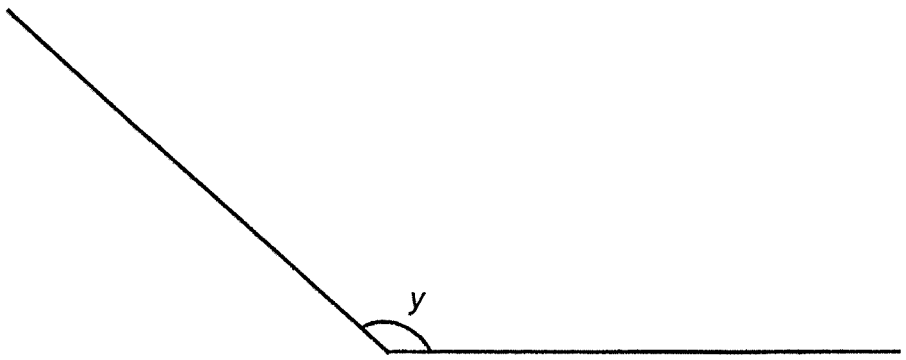
17. Write $4\frac{3}{8}$ as an improper fraction.

Ans: _____

18. What number is 100 less than 9945?

Ans: _____

19. Measure and write down the size of $\angle y$.



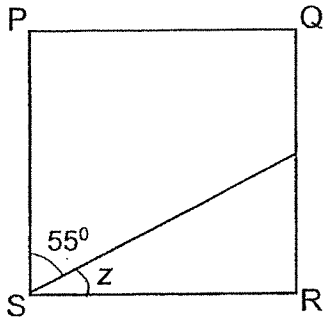
Ans: _____°

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20. $\frac{3}{4} - \frac{1}{2} =$

Ans: _____

21. PQRS is a square. Find $\angle z$.

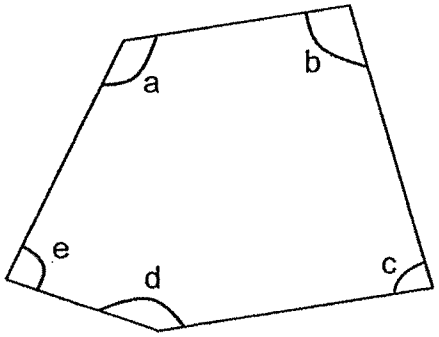


Ans: _____ °

22. 10.51 – 8.07 = _____

Ans: _____

23. In the figure below, name the two angles that are smaller than 90°.



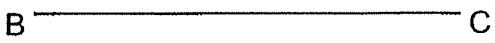
Ans: ∠_____ and ∠_____

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24. Express 0.6 as a fraction.

Ans: _____

25. Draw ∠ABC = 65° using the given line. Mark and label the angle.

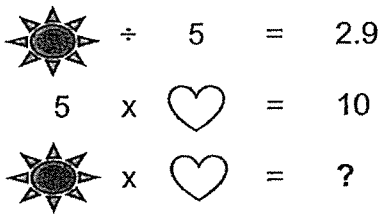


26. The sum of two numbers is 1050 when rounded to the nearest ten. The first number is 496. What is the smallest possible value of the other number?

Ans: _____

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27. Each shape represents a number. Study the question carefully and find the missing answer.



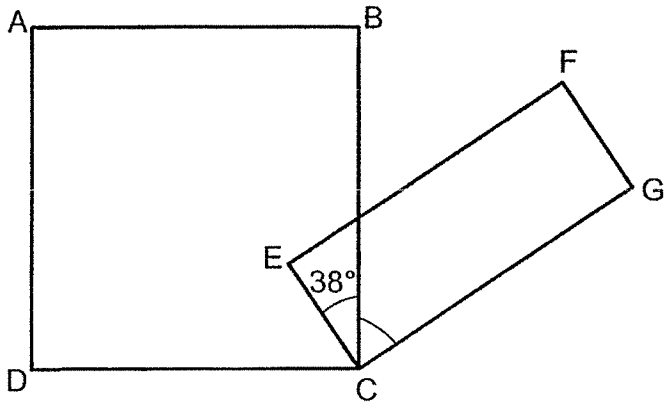
Ans: _____

28. Tom watched a movie at 11.20 a.m. The movie ended at 1.35 p.m. How long was the movie?

Ans: _____ h _____ min

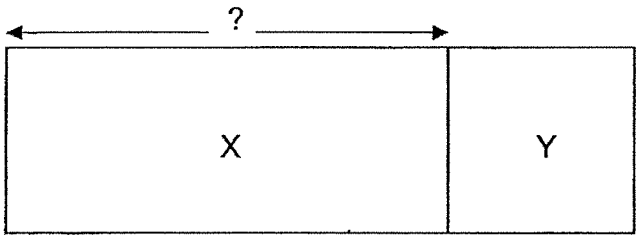
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29. In the figure, ABCD is a square and EFGC is a rectangle. $\angle ECB = 38°$. Find $\angle BCG$.



Ans: _____°

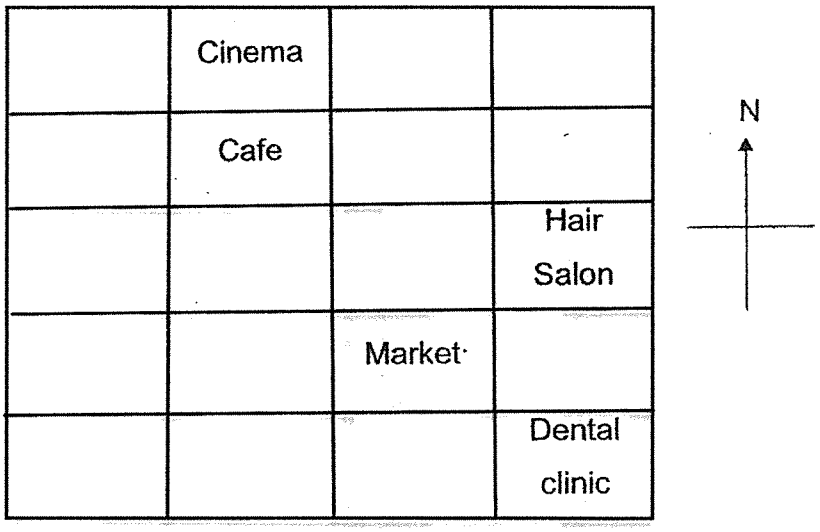
30. The figure is made up of rectangle X and square Y. The total area of the figure is 360 cm^2. The area of square Y is 81 cm^2. Find the length of rectangle X.



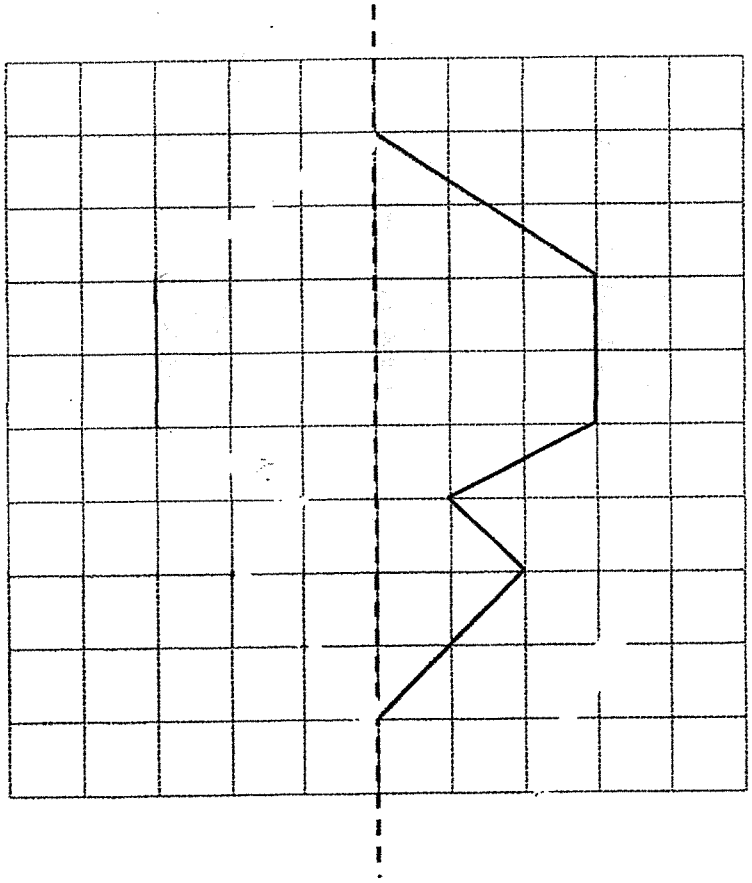
Ans: _____ cm

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31. The figure shows the different places in the neighbourhood. The playground is East of the café and North of the market. Shade the rectangle that represents the location of the playground.

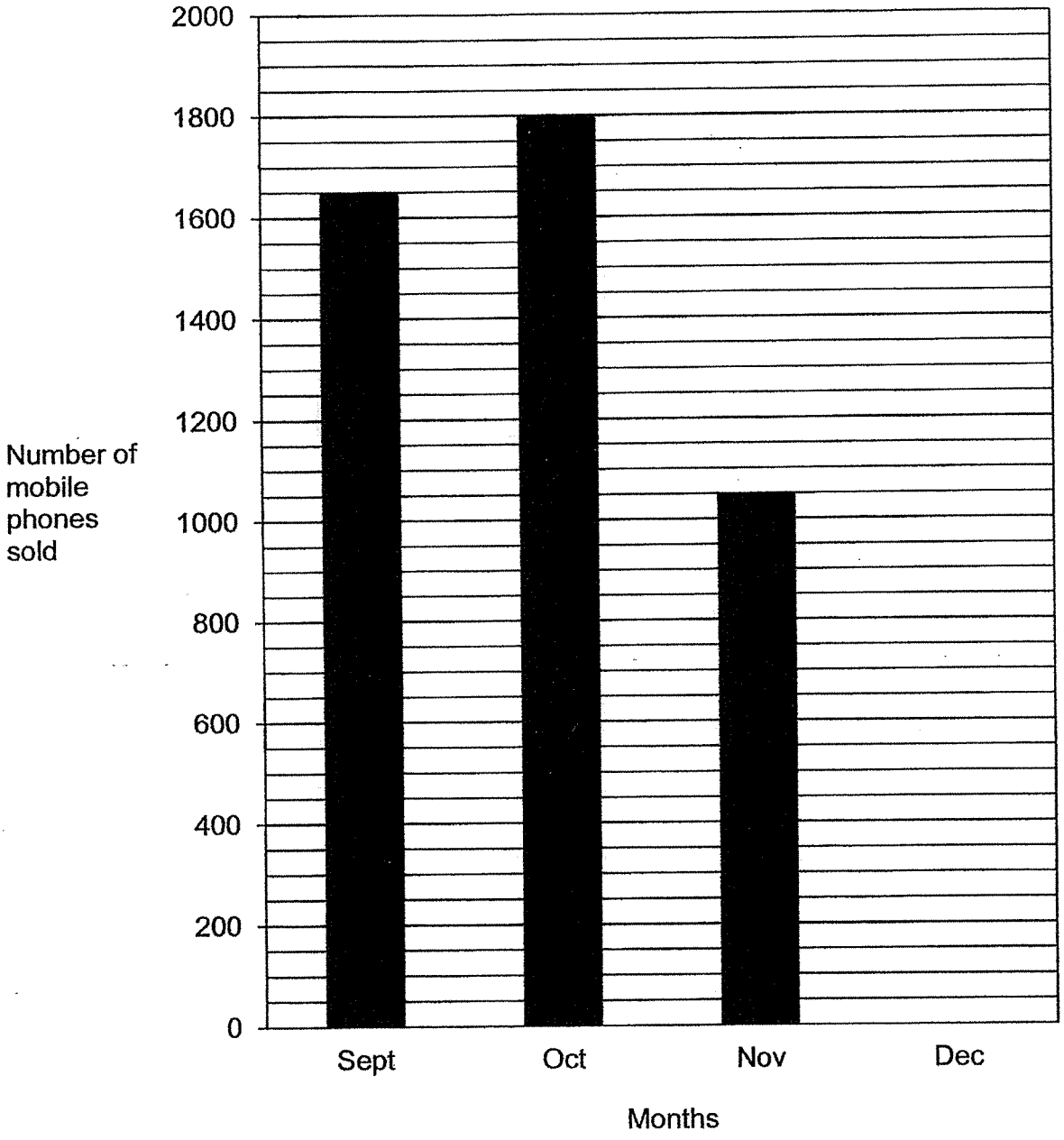


32. Complete the symmetric figure with the dotted line as a line of symmetry.



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33. The graph below shows the number of mobile phones sold. Given that a total of 5450 mobile phones were sold from September to December, how many mobile phones were sold in December?



Ans: _____

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34. The total mass of a durian, a watermelon and a papaya is 12.4 kg. The watermelon is 3.5 kg heavier than the papaya. The durian is 1.5 kg heavier than the watermelon. What is the mass of the papaya?

Ans: _____ kg

35. How many 3-digit numbers can be formed using the digits 2, 5 and 8?

Ans: _____

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SECTION C (35 marks)

For questions 36 to 44, show your working clearly in the space provided below each question and write your answers with suitable units in the spaces provided. All diagrams are not drawn to scale. Marks will be awarded for relevant working. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

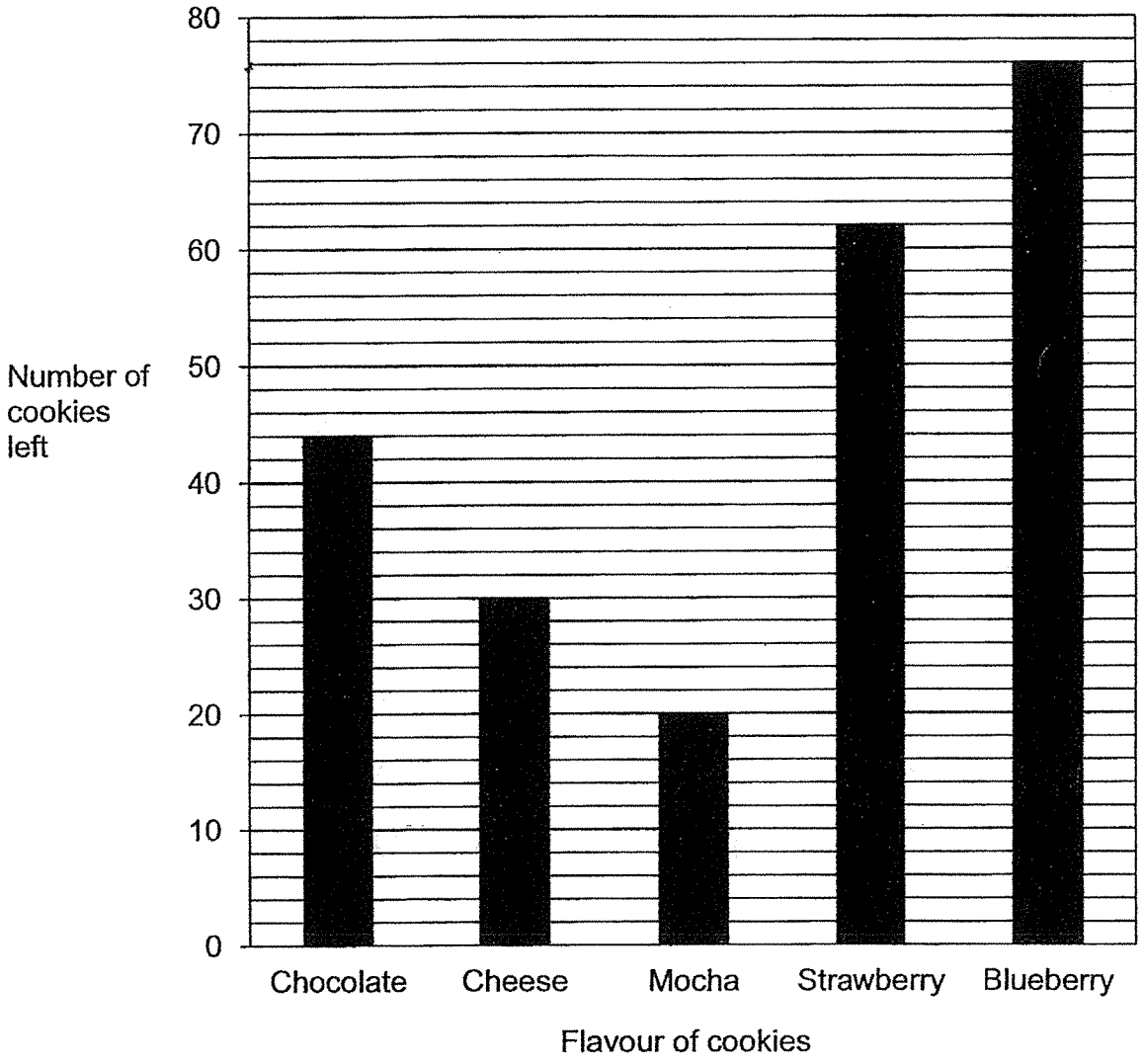
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36. Marie had a total of 20 ten-cent coins and twenty-cent coins. The total amount of money she had was $3.40. How many twenty-cent coins did Marie have?

Ans: _____ [3]

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37. A baker baked 150 cookies each of different flavours daily. The bar graph shows the number of cookies left at the end of Saturday.



a) Which flavour of cookies was the least popular?

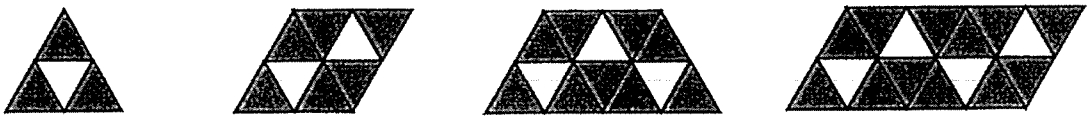
b) How many cheese and strawberry cookies did he sell altogether on Saturday?

Ans: a) _____ [1]

b) _____ [2]

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38. Study the pattern below carefully and answer the questions.



Pattern 1 Pattern 2 Pattern 3 Pattern 4

Pattern Number	Number of white triangle	Number of grey triangles	Total number of triangles
1	1	3	4
2	2	6	8
3	3	9	12
4	4	a) _____	....
⋮	⋮	⋮	⋮

a) How many grey triangles are there in pattern number 4?

b) Which pattern number will give a total number of 32 triangles?

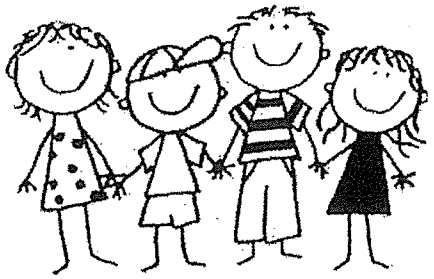
Ans: (a) _____ [1]

(b) _____ [2]

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39. The figure shows the timings for the movie "My Best Friends" at a cinema.

Timings for movie "My Best Friends"



- **10.30 a.m.**
- **12.30 p.m.**
- **7.00 p.m.**
- **11.30 p.m.**

a) Rachel arrived at the cinema at 10.55 am. How long must she wait for the next show at 12.30 p.m.? Give your answer in hours and minutes.

b) Each show lasted 1 h 45 min. Samuel watched the last show of the day. What time did the show end?

Ans: a) _____ [2]

b) _____ [2]

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40. 1 ring and 1 bracelet cost $180.80. 1 such ring and 3 such bracelets cost $289.

a) How much do 2 such bracelets cost?

b) How much more does the ring cost than the bracelet?



ring



bracelet

Ans: a)_____ [2]

b)_____ [2]

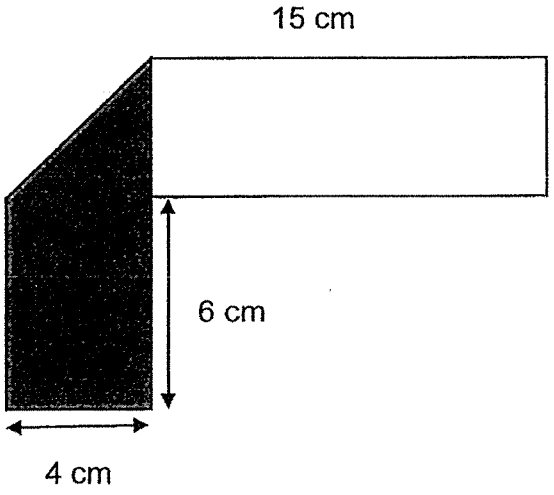
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41. There were some flowers in a flower shop. $\frac{1}{4}$ of the flowers were lilies, $\frac{2}{5}$ of the flowers were sunflowers and the rest were daisies. There were 224 more daisies than lilies. How many sunflowers were there?

Ans: _____ [4]

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42. John folded a rectangular piece of paper to form the shape as shown below.



a) What is the length of the rectangular piece of paper before it was folded?

b) What is the area of the rectangular piece of paper before it was folded?

Ans: a) _____ [2]

b) _____ [2]

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43. Mr Wong bought 15 boxes of chocolate milk and strawberry milk altogether. There were 24 packets of milk in each box. He sold $\frac{4}{7}$ of chocolate milk and 48 packets of strawberry milk. The number of packets of chocolate milk left was 3 times the number of packets of strawberry milk left.

a) How many packets of milk did Mr Wong buy altogether?

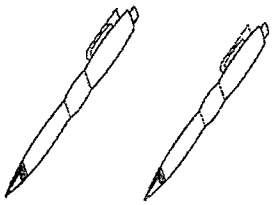
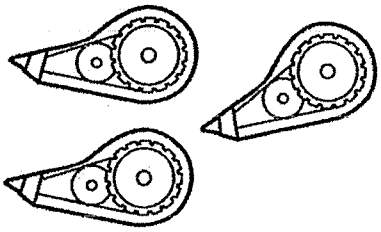
b) How many packets of strawberry milk did he buy at first?

Ans: a) _____ [1]

b) _____ [4]

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44. A gift shop sold pens and correction tapes in packs at the prices shown below.

Pens	Correction tapes
	
A packet of 2 pens for $5	**A packet of 3 correction tapes for $7**

a) Siti bought 5 packs of pens and 6 packs of correction tapes. How much money did she spend altogether?

b) The shop sold a total of 288 pens and correction tapes. The number of pens sold was 3 times the number of correction tapes sold. How much money was collected from the sale of the correction tapes?

Ans: a) _____ [2]

b) _____ [3]

- The End -

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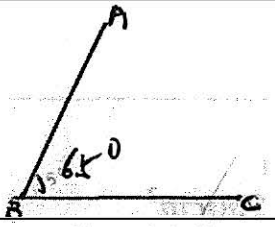
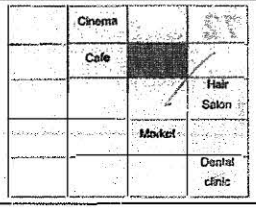
ANSWER KEY

YEAR : 2021
LEVEL : Primary 4
SCHOOL : Raffles Girls' Primary School
SUBJECT : MATHEMATICS
TERM : End-of-Year Examination

Section A

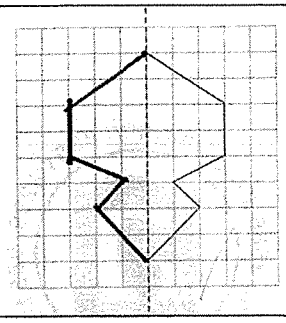
Q1	3	Q2	1	Q3	1	Q4	3	Q5	4
Q6	1	Q7	1	Q8	2	Q9	4	Q10	2
Q11	4	Q12	3	Q13	3	Q14	1	Q15	4

Section B & C

Q16	3265, 3526, 3652	Q17	$4\times8=32$ 32+3=35 Ans : $\frac{35}{8}$
Q18	9945-100=9845	Q19	138
Q20	$\frac{1}{2}=\frac{2}{4}$ $\frac{3}{4}-\frac{2}{4}=\frac{1}{4}$	Q21	90-55=35
Q22	10.51-8.07=2.44	Q23	$\angle c$ and $\angle e$
Q24	$0.6=\frac{6}{10}$ $\frac{6}{10}=\frac{3}{5}$	Q25	
Q26	1045-496=549	Q27	$2.9\times5=14.5$ $10\div5=2$ $14.5\times2=29$
Q28	2h 15min	Q29	90-38=52
Q30	$360\div9=40$ 40-9=31	Q31	

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Q32		Q33	1650+1800=3450 3450+1050=4500 5450-4500=950
Q34	$3.5\times2=7$ 7+1.5=8.5 12.4-8.5=3.9 $3.9\div3=1.3$	Q35	6
Q36	Assume all ten–cent coins, $10\times20=200$ 340-200=140 20-10=10 $140\div10=14$	Q37	(a) Blueberry (b) 300-92=208
Q38	(a)$4\times3=12$ (b) $32\div4=8$	Q39	(a) 1h 35min (b) 1.15 am
Q40	(a) 289-180.80=$108.20 (b) $108.20\div2=54.10$ 180.80-54.10=126.7- 126.70-54.10=$72.60	Q41	$\frac{1}{4}=\frac{5}{20}$ $\frac{2}{5}=\frac{8}{20}$ $\frac{8}{20}+\frac{5}{20}=\frac{13}{20}$ $1-\frac{13}{20}=\frac{7}{20}$ $\frac{7}{20}-\frac{5}{20}=\frac{2}{20}$ $224\div2=112$ $112\times8=896$
Q42	(a) 6+4=10 10+15=25cm (b) $25\times4=100cm^2$	Q43	(a) $24\times15=360$ (b) 360-48=312 $312\div8=39$ 39+48=87
Q44	(a) $5\times5=25$ $6\times7=42$ 42+45=$67 (b) $288\div4=72$ $72\div3=24$ $24\times7=\$168$		

2

END

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