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2023 PRIMARY 4 END-OF-YEAR EXAMINATION

Name: _____ ( ) Date: 24 October 2023

Class: Primary 4 ( ) Time: 8.00 a.m. - 9.00 a.m.

Parent's Signature: _____ Marks: _____ / 100

MATHEMATICS

PAPER 1

(Booklet A and Booklet B)

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. The duration for Paper 1 is 1 hour.

Booklet A	20
Booklet B	40
Paper 2	40

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Multiple Choice Questions

Questions 1 to 10 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 (1, 2, 3 or 4) on the Optical Answer Sheet. [20 marks]

---

1. 30 000 ÷ 4000 ÷ 200 ÷ 8 = _____

   (1) 34 280
   (2) 34 208
   (3) 34 028
   (4) 30 428

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

   (1) 30
   (2) 2
   (3) 28
   (4) 16

3. $\frac{1}{3} + \frac{1}{9} =$ _____

   (1) $\frac{1}{27}$
   (2) $\frac{2}{3}$
   (3) $\frac{2}{12}$
   (4) $\frac{4}{9}$

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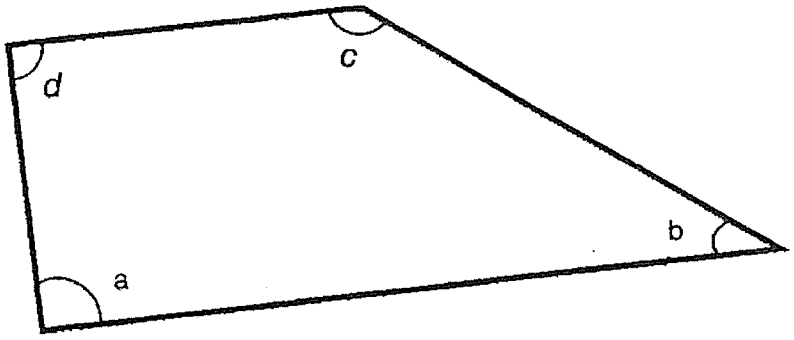
4. The digit 8 in 9.283 stands for 8 _____.

(1) ones
(2) tens
(3) tenths
(4) hundredths

5. Which of the following decimals is the smallest?

(1) 3.07
(2) 3.15
(3) 3.038
(4) 3.304

6. In the figure, which angle is greater than a right angle?



(1) $\angle a$
(2) $\angle b$
(3) $\angle c$
(4) $\angle d$

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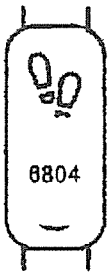
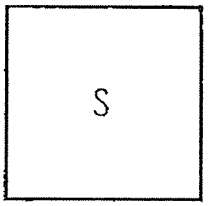
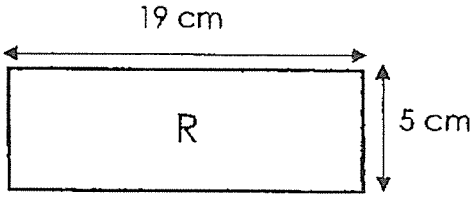
7. Laura clocked 6804 steps on Friday. She clocked 2 times as many steps on Saturday as on Friday. How many steps did she clock on both days?

(1) 6806
(2) 10 206
(3) 13 608
(4) 20 412



8. Square S and rectangle R have the same perimeter.
Find the length of each side of square S.





(1) 6 cm
(2) 12 cm
(3) 24 cm
(4) 48 cm

9. The total mass of a papaya and a durian is 8.2 kg.
The total mass of the papaya and a watermelon is 11.4 kg.
The watermelon weighs 3 times as heavy as the papaya.
What is the mass of the durian?

(1) 2.85 kg
(2) 4.4 kg
(3) 5.35 kg
(4) 6.6 kg

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10. At an animal shelter, there were dogs, cats and rabbits.

$\frac{1}{3}$ of the animals were dogs. There were 38 more cats than dogs.

The remaining 56 animals were rabbits.

How many animals were there altogether?

(1) 282
(2) 206
(3) 141
(4) 130

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Paper 1 Booklet B

Short Answer Questions

Questions 11 to 30 carry 2 marks each. Write your answers in the boxes provided. For questions which require units, give your answers in the units stated.

[40 marks]

11. Round 2818 to the nearest ten.

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

17 000 , 16 100 , 15 200 , 14 300 , _____ , 12 500

13. Find the value of $1 - \frac{1}{4} - \frac{1}{8}$.

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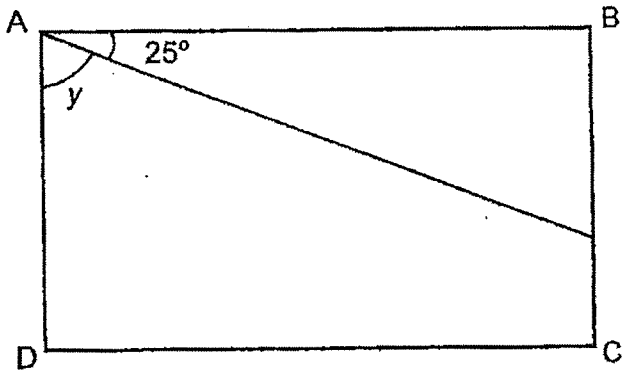
14. $21.96 + 0.18 =$ _____

15. Find the value of 8.27×9.

16. In the figure, ABCD is a rectangle. Find the value of $\angle y$.



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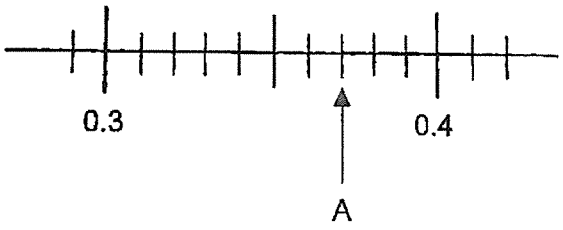
17. Write $\frac{29}{4}$ as a mixed number.

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

$$\frac{7}{11} \ , \ \frac{1}{2} \ , \ \frac{10}{11}$$

(smallest) , , (greatest)

19. Write the decimal represented by A.



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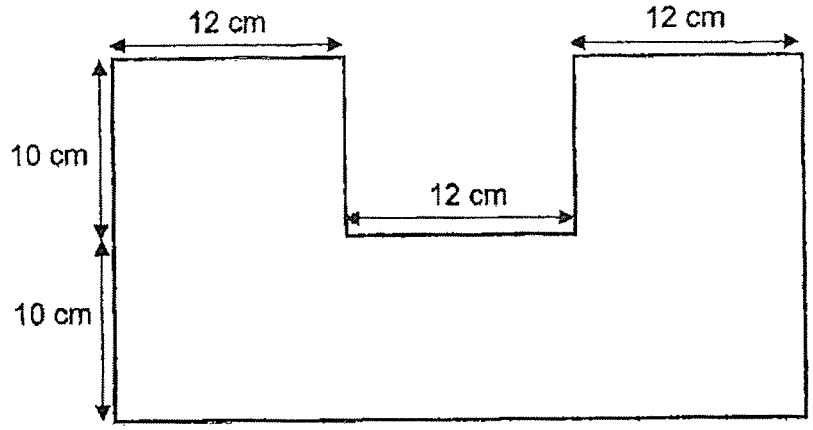
20. What is the area of the figure below?



cm^2

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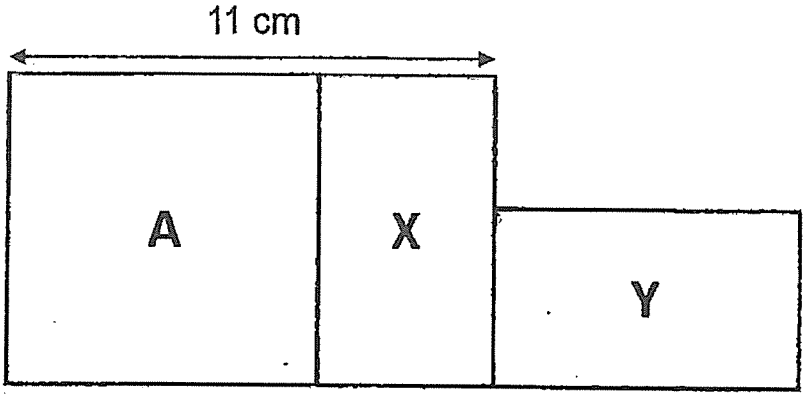
21. The figure shown is made up of square A and 2 identical rectangles, X and Y. The area of the square is 49 cm^2.
Find the perimeter of the figure.



cm

22. Find the sum of all the common factors of 30 and 54.

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23. Mr Tan used 21 ℓ 75 mℓ of petrol in the first week.
He used 3ℓ 25 mℓ more petrol in the second week. He used the same amount of petrol in the second and third week.
How much petrol did he use in the 3 weeks?
Express your answer in litres and millilitres.

_____ mℓ

---

24. After making a $\frac{1}{4}$ turn in an anti-clockwise direction, Sarah makes a 270° clockwise turn and is now facing north.
Which direction was she facing at first?

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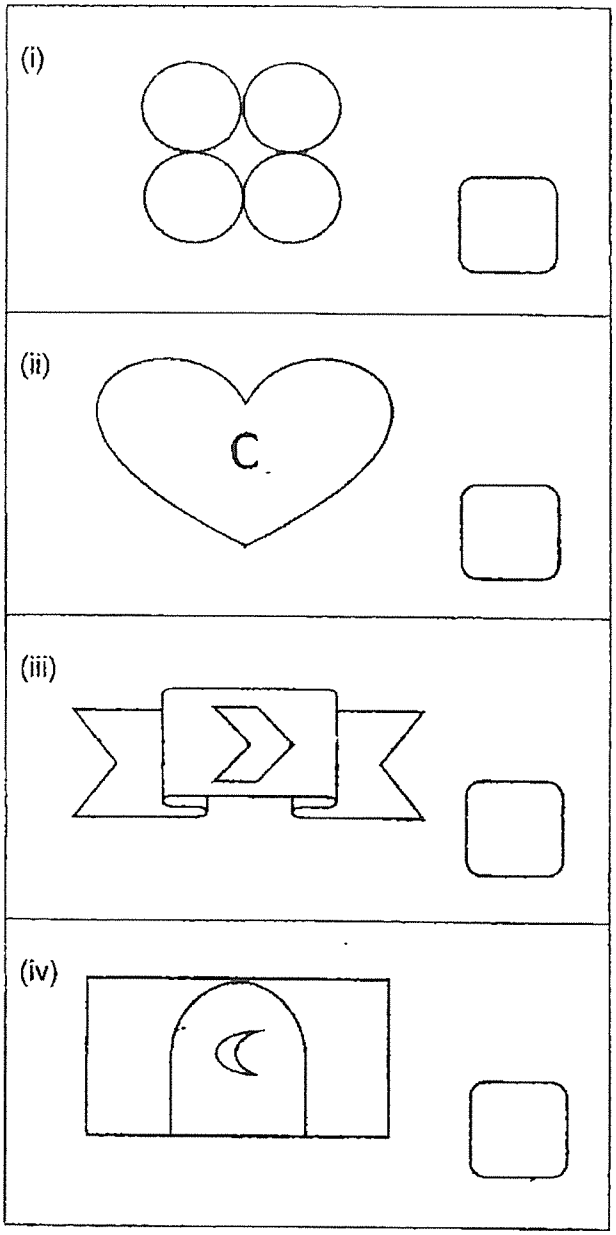
25. Study the figures below.

In each box ☐, put a tick (✓) if the figure is symmetric and a cross (X) if it is not symmetric.



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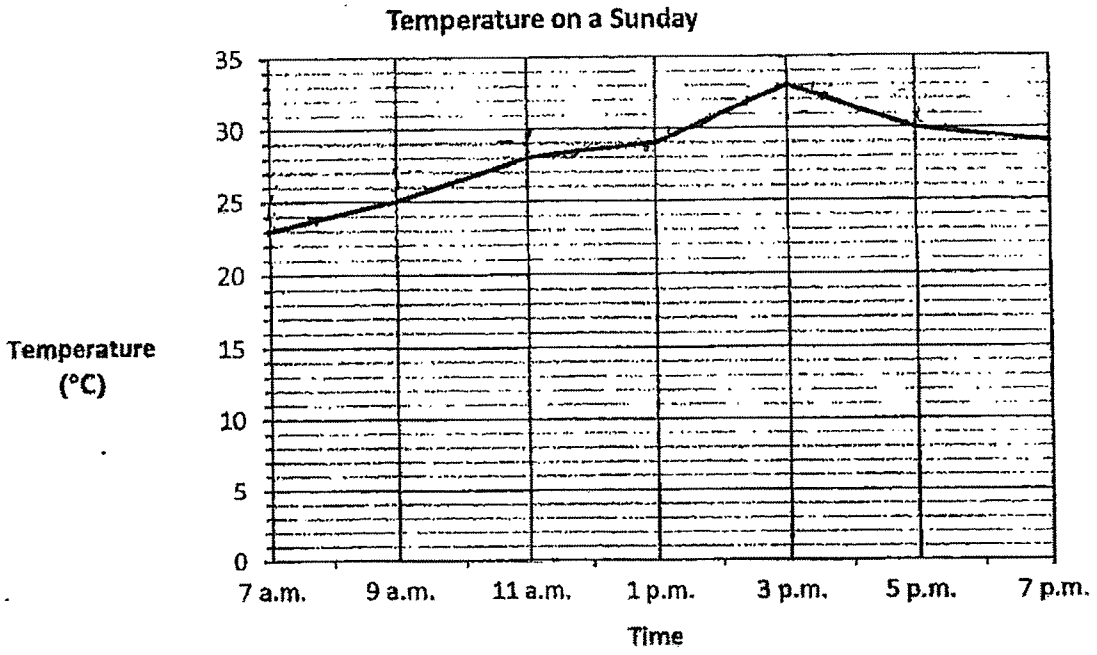
The line graph shows the temperature from 7 a.m. to 7 p.m. on a Sunday.
Study the graph and answer Questions 26 and 27.



26. Complete the table to show the information in the line graph.

Time	7 a.m.	9 a.m.	11 a.m.	1 p.m.	3 p.m.	5 p.m.	7 p.m.
Temperature (°C)	23	_____	_____	_____	33	_____	29

27. What was the difference in temperature between the lowest and highest temperature on that day?

°C

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28. Harry planted 10 seedlings in a row.
The seedlings were planted at the same distance apart.
The distance between the second and the fifth seedling was 125.4 m.
What was the distance between the first and the tenth seedling?

m

29. 3 files and 3 pens cost $32.10. I paid $40 for 4 such files and 3 such pens.
Find the cost of 3 pens.

$

30. I am a 4-digit even number.
The sum of the digits is 14.
I am 2250 when rounded to the nearest 10.
What number am I?

End of Paper 1

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2023 PRIMARY 4 END-OF-YEAR EXAMINATION

Name: _____ ( ) Date: 24 October 2023

Class: Primary 4 ( ) Time: 11.00 a.m. - 12.00 p.m.

Parent's Signature: _____

MATHEMATICS

PAPER 2

40

INSTRUCTIONS TO CANDIDATES

1. Write your name, class and register number.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Show your working clearly as marks are awarded for correct working.
6. The duration for Paper 2 is 1 **hour**.

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Questions 1 to 10 carry 4 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. [40 marks]

1. A tailor had 500 buttons.
He sewed 7 buttons on each shirt and had 248 buttons left.
(a) How many buttons did he use?

He used _____

Ans: (a) _____

(b) How many shirts did he sew the buttons on?

He sewed _____

Ans: (b) _____

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2. Tom had 4730 marbles and Muthu had 1240 marbles at first.
Tom gave some marbles to Muthu so that Muthu would have twice as many marbles money as Tom in the end.
How many marbles did Tom give Muthu?

Tom gave _____

Ans: _____

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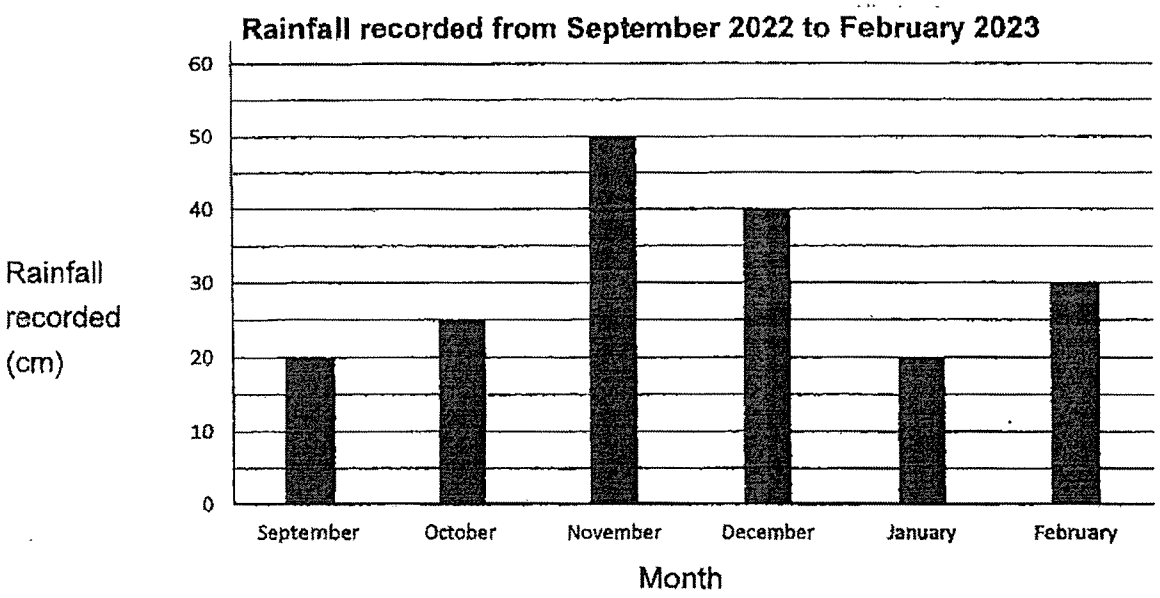
3. The bar graph shows the amount of rainfall recorded at the end of each month from September 2022 to February 2023.



Each of the statements below is either true, false or not possible to tell based on the information given in the graph. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False	Not possible to tell
(a) December was the wettest month.			
(b) The amount of rainfall recorded in September and January was the same.			
(c) The difference in the amount of rainfall recorded was the smallest between November and December.			
(d) The amount of rainfall recorded for March 2023 will be higher than February 2023.			

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4. The mass of a wooden vase is 3.3 kg.
The mass of a glass vase is 4.05 kg.
What is the total mass of 3 identical wooden vases and 3 identical glass vases?
Give your answer to the nearest kilogram.

The total mass is _____

Ans: _____

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5. The table below shows the departure times from Singapore to Penang and Kuala Lumpur as well as their arrival times.

Flight number	**Destination**	**Departure time from Singapore**	**Arrival time at destination**
SP 100	Penang	10.40 p.m.	12.05 a.m.
SP 246	Kuala Lumpur	8.15 p.m.	9.20 p.m.

(a) How long is the flight from Singapore to Penang?
Give your answer in h and min.

The flight is _____

Ans: (a) _____

(b) Mr Bala took SP 246 to Kuala Lumpur. His flight was delayed for 45 minutes. At what time did Mr Bala finally arrive in Kuala Lumpur? Leave your answer in 24-hour clock.

Mr Bala arrived at _____

Ans: (b) _____

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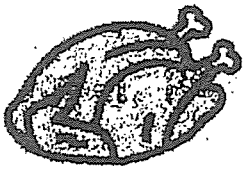
6. A newly opened chicken stall had a promotion.
For every chicken bought, the second chicken was sold at half price.
Mrs Dee bought 4 chickens.



$4.70 each
Buy a second chicken at HALF price!

(a) How much did she pay ?

She paid _____

Ans: (a) _____

(b) At the end of the day, the stall collected $440.
There were two $100 notes, three $50 notes and some $10 notes.
How many $10 notes were there?

There were _____

Ans: (b) _____

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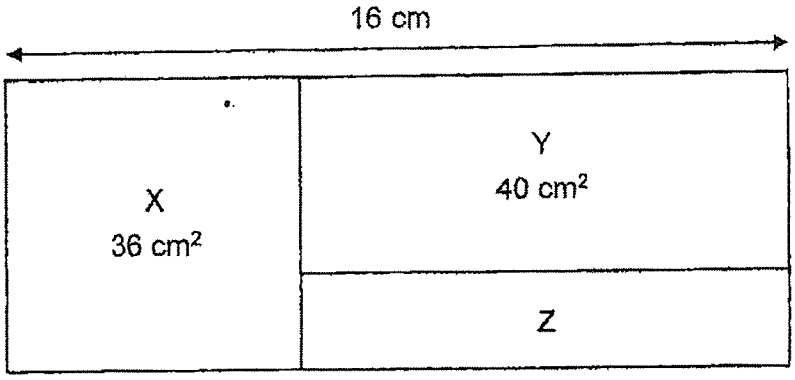
7. The figure below is made up of square X and 2 rectangles, Y and Z. Find the area of Z.



The area is _____

Ans: _____

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8. There are some people attending a carnival.
$\frac{3}{5}$ of them are children, $\frac{1}{6}$ of them are men and the rest are women.
There are 42 more women than men at the carnival.
How many people are at the carnival?

There are _____

Ans: _____

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9. A group of 3 adults and 5 children bought tickets to watch a concert.
Each adult ticket cost $7 more than each child ticket.
The group paid a total of $125.
What was the cost of each adult ticket?

The cost of each adult ticket was _____

Ans: _____

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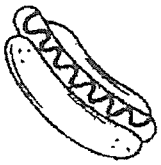
10. A curry puff cost $3 and a hotdog cost $4.
Miss Gaya spent a total of $238 on 70 curry puffs and hotdogs.
How many hotdogs did she buy?



$3

$4

She bought _____

Ans: _____

End of Paper 2

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SCHOOL : TAO NAN PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2023 SA2 END OF YEAR EXAM

Booklet A

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	1	4	4	3	3	4	2	3	1

Booklet B

Q11	2820
Q12	13 400
Q13	$\frac{8}{8} - \frac{2}{8} - \frac{1}{8} = \frac{5}{8}$
Q14	22.4
Q15	74.43
Q16	90 – 25 = 65°
Q17	$29 \div 4 = 7\frac{1}{4}$
Q18	$\frac{1}{2}, \frac{7}{11}, \frac{10}{11}$
Q19	0.37
Q20	Area of A → 20 x 12 = 240 Area of B → 12 x 10 = 120 Area of C → 20 x 12 = 240 Total area → 240 + 120 + 240 = 600cm^2
Q21	11 – 4 = 7 7 – 4 = 3 Perimeter = 11 + 3 +7 + 4 + 7 + 11 + 7 = 50cm
Q22	30 : 1, 2, 3, 5, 10, 15, 30 54 : 1, 2, 3, 6, 9, 18, 27, 54 Common factors → 1 , 2 , 3

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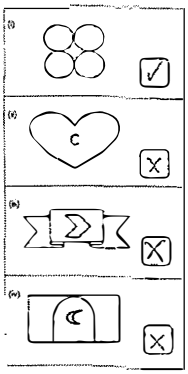
<table>
<tr><td></td><td>1+2+3=6
6+6=12 (Ans)</td></tr>
<tr><td>Q23</td><td>2nd Week --> 3L 25 ml + 21L 75 ml = 24 L 100 ml
3rd Week --> 24L 100 ml
Totl --> 24L 100 ml + 24L 100 ml + 21L 75 ml = 69L 275 ml (Ans)</td></tr>
<tr><td>Q24</td><td>South</td></tr>
<tr><td>Q25</td><td>  </td></tr>
<tr><td>Q26</td><td>
<table>
<tr><td>Time</td><td>7 a.m.</td><td>9 a.m.</td><td>11 a.m.</td><td>1 p.m.</td><td>3 p.m.</td><td>5 p.m.</td><td>7 p.m.</td></tr>
<tr><td>Temperature (°C)</td><td>23</td><td>25</td><td>28</td><td>29</td><td>33</td><td>30</td><td>29</td></tr>
</table>
</td></tr>
<tr><td>Q27</td><td>Highest = 33
Lowest = 23
Difference = 33 - 23 = 10 (Ans : 10^{O}C)</td></tr>
<tr><td>Q28</td><td>1 gap --> 125.4 ÷ 3 = 41.8
9 gaps --> 41.8 x 9 = 376.2 (Ans : 376.2 m)</td></tr>
<tr><td>Q29</td><td>1 file --> $7.90 x 3 = $23.70
3 Pens --> $32.10 - $23.70 = $8.40 (Ans)</td></tr>
<tr><td>Q30</td><td>2246</td></tr>
</table>

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Paper 2

Q1	(a) 500 - 248 = 252 (b) 252 ÷ 7 = 36
Q2	4730 + 1240 = 5970 5970 ÷ 3 = 1990 1990 x 2 = 3980 3980 - 1240 = 2740 (Ans)
Q3	(a) False (b) True (c) False (d) Not possible to tell
Q4	3.3 x 3 = 9.9 4.05 x 3 = 12.15 Total → 9.9 + 12.15 = 22.05 (Ans : 22 kg)
Q5	(a) Total → 20 min + 1h 5 min = 1 h 25 min (b) 8:15 pm + 45 min → 9.20 pm 9.20 pm + 45 min → 10.05 pm Ans : 22 05
Q6	(a) $4.70 ÷ 2 = $2.35 $4.70 x 2 +$2.35 x 2 = $14.10 (Ans) (b) $200 + $150 = $350 $440 - $350 = $90 $90 ÷ $10 = 9 (Ans)
Q7	6x6=36 16-6=10 40÷10=4 6-4=2 10x2=20 cm^2 (Ans)
Q8	$\frac{1}{6} + \frac{3}{5} = \frac{5}{30} + \frac{18}{30} = \frac{23}{30}$ *Women* → $1 - \frac{23}{30} = \frac{7}{30}$ *42 Men* → $\frac{7}{30} - \frac{5}{30} = \frac{2}{30} = \frac{1}{15}$ *Total people → 15 x 42 = 630 (Ans)*

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Q9	3 Adults + 5 children → $125 8 children → $125 - ($7x3) = $104 1 Child → $104 ÷ 8 = $13 1 Adult → $13 +$7 = $20 (Ans)
Q10	*Assume all are curry puffs → $3 x 70 = $210* *$238 - $210 = $28* *4 - 3 = 1* *28* ÷ 1 = 28 7 x 4 = 28 238 - 28 = 210 $210 ÷ $3 = 70 (Ans: 70 Hot Dogs)

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