SA1

2021 PRIMARY 4 MID-YEAR EXAMINATION

Name: _____ ( ) Date: 10 May 2021

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

Paper 1 Booklet A
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. $\frac{7}{6} - \frac{2}{3} =$ _____

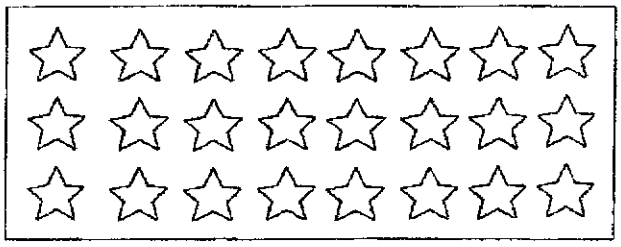
(1) $\frac{1}{2}$

(2) $\frac{5}{9}$

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

(4) $1\frac{5}{6}$

2. How many stars must be shaded so that $\frac{3}{8}$ of the set is shaded?



(1) 9

(2) 8

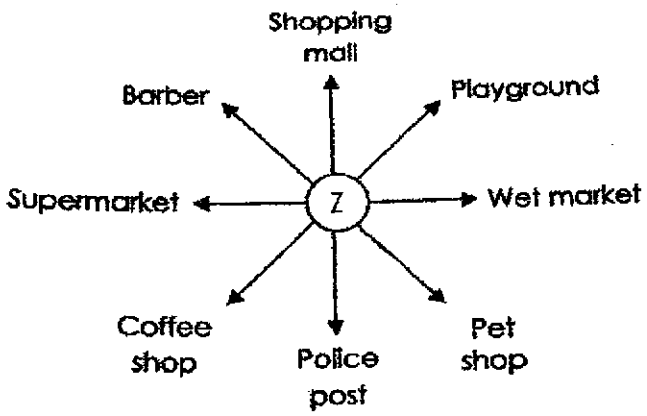
(3) 3

(4) 15

3. 15 ℓ 3 mℓ = _____ mℓ

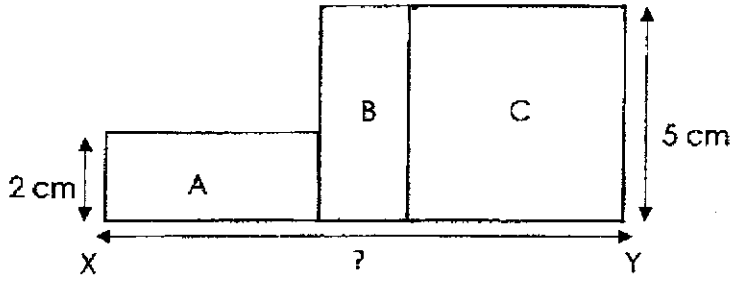
(1) 1 503
(2) 1 530
(3) 15 030
(4) 15 003

4. Danny is standing at point Z and is facing the pet shop.
He turns 90° clockwise and faces the _____.



(1) police post
(2) playground
(3) coffee shop
(4) wet market

5. The figure is made up of a square, C, and 2 identical rectangles, A and B.



The breadth of each rectangle is 2 cm.
The length of the square is 5 cm. Find the length of XY.

(1) 7 cm

(2) 10 cm

(3) 12 cm

(4) 24 cm

6. Youqian counted his money that he had received during Chinese New Year. The amount was \$320 when rounded to the nearest ten. What could be the least possible amount of money Youqian received?

(1) \$306

(2) \$314

(3) \$316

(4) \$324

7. Siti bought a cup of bubble tea and a sandwich.
She paid with two ten-dollar notes and received $6.60 change.
How much did the sandwich cost?

$4.50

$

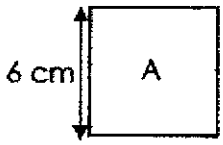
(1) $5.50

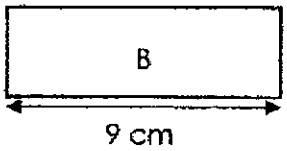
(2) $8.90

(3) $11.10

(4) $13.40

8. Square A and Rectangle B have the same area.
Find the perimeter of Rectangle B.





(1) 13 cm

(2) 26 cm

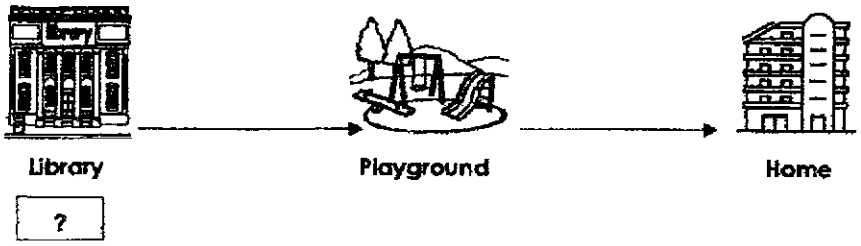
(3) 30 cm

(4) 54 cm

9. Uncle Amos baked some cookies. $\frac{3}{7}$ of them were raisin cookies while the rest were butter cookies. There were 108 butter cookies.
How many cookies did he bake in all?

(1) 252
(2) 189
(3) 36
(4) 27

10. Xavier cycled home from the library. He cycled for 10 min before he stopped to play at the playground. After playing there for 15 min, he took 10 min to cycle home. He reached home at 12.15 p.m. What time did he leave the library?



(1) 12.05 p.m
(2) 11.55 a.m.
(3) 11.50 a.m.
(4) 11.40 a.m.

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. What is the sixth multiple of 7?

12. Use the digits below to form the ***greatest 5-digit odd*** number.
Each digit can only be used once.

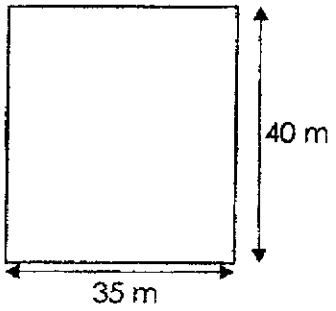
5	1	3	8	0

13. Complete the number pattern.

3420 , 3220 , 3020 , ? , 2620

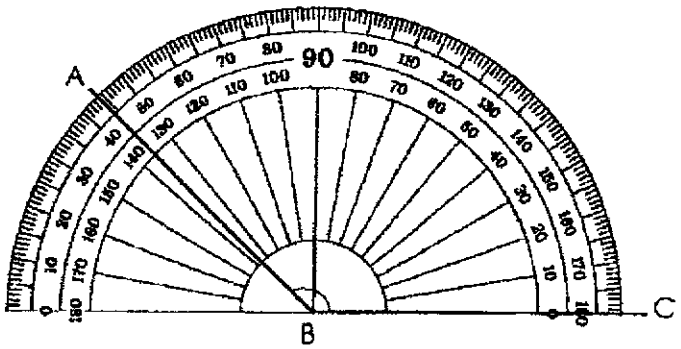
14. Express 15 quarters as a mixed number.

15. What is the area of a hall that measures 40 m by 35 m?



m^2

16. Find $\angle ABC$.



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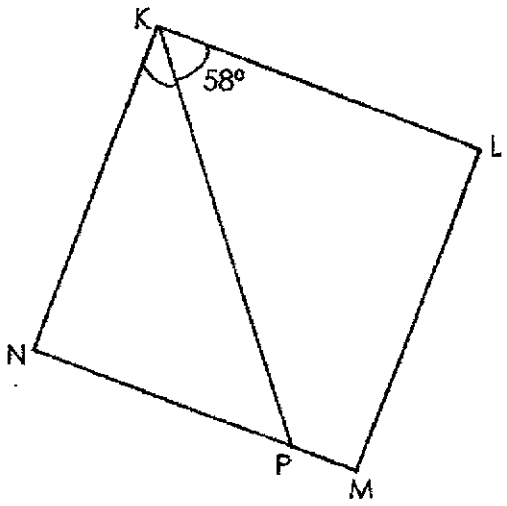
17. KLMN is a square. Find ∠NKP.



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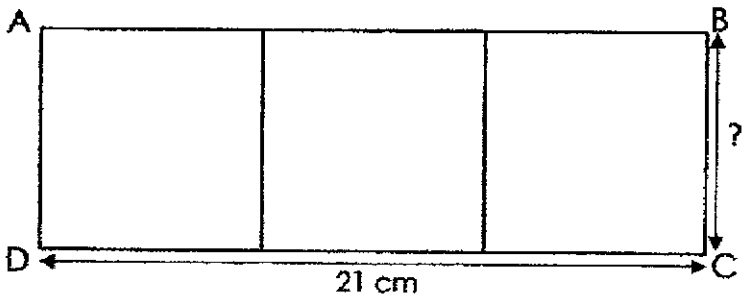
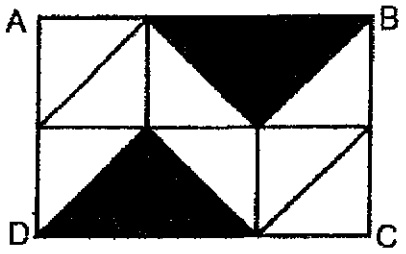
18. Three identical squares are joined together to form the rectangle, ABCD. Find the length of BC.



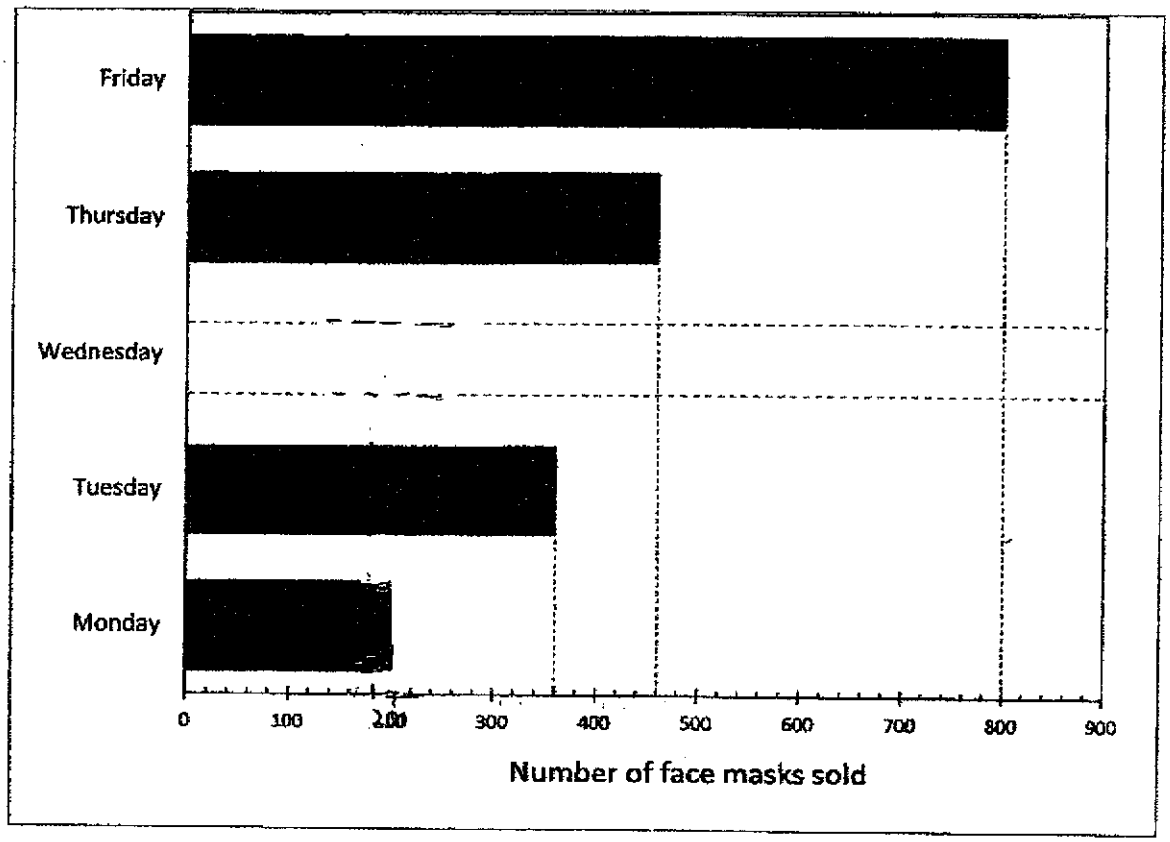
cm

19. The figure is made up of identical triangles.
What fraction of the figure is shaded?
Express your answer in the simplest form.



20. The graph shows the number of face masks sold in 5 days.
The number of face masks sold on Tuesday was twice the number of face masks sold on Wednesday.

***Draw** and shade the bar* to represent the number of masks sold on Wednesday.



21. ☐ ÷ 6 = 1509 R3

What is the missing number?

☐

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22. Joseph swims for 45 minutes every day.
How many hours and minutes does he swim in a week?

_____ h _____ min

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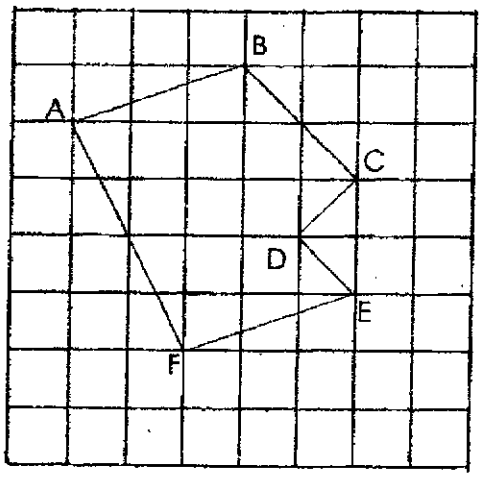
23. Name the pairs of parallel lines in the figure.



_____ // _____

_____ // _____

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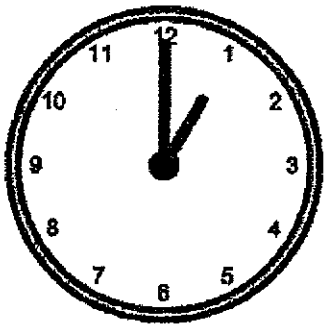
24. How many right angles does the hour hand of a clock turn through from 1 a.m. to 7 a.m.?



right angles

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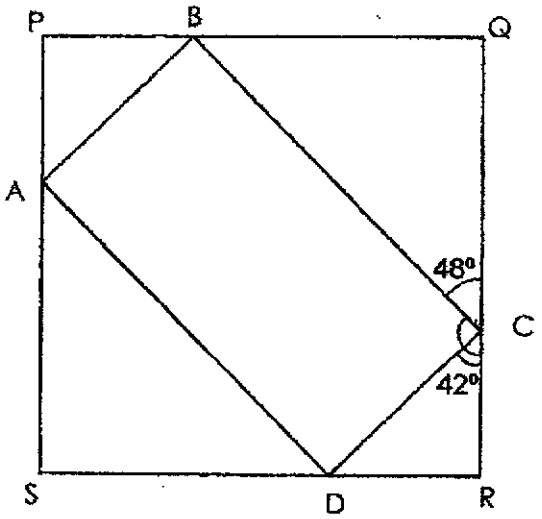
25. The figure shows a square PQRS and a rectangle ABCD. $\angle RCD = 42^\circ$ and $\angle QCB = 48^\circ$. Find $\angle BCR$.



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26. Arrange $1\frac{1}{2}$, $\frac{10}{7}$, 2 and $\frac{7}{3}$ in decreasing order.

____, ____, ____, ____

27. The table below shows the number of people who visited Sentosa. Complete the table.

	Singapore Citizens	**Tourists**	**Total**
Adults	1200	3400	4600
Children	?	5516	7530
			?

a) How many children who are Singapore citizens visited Sentosa?

b) What is the total number of people who visited Sentosa?

28. Hui En had twice as many stickers as Siti.
After Hui En gave Siti 35 stickers, they had the same number of stickers.
How many stickers did Hui En have at first?

---

29. Bala spent exactly $10 on 3 different items. Which items did he buy?

Jellybeans
$4.50

Ice cream
$2.00

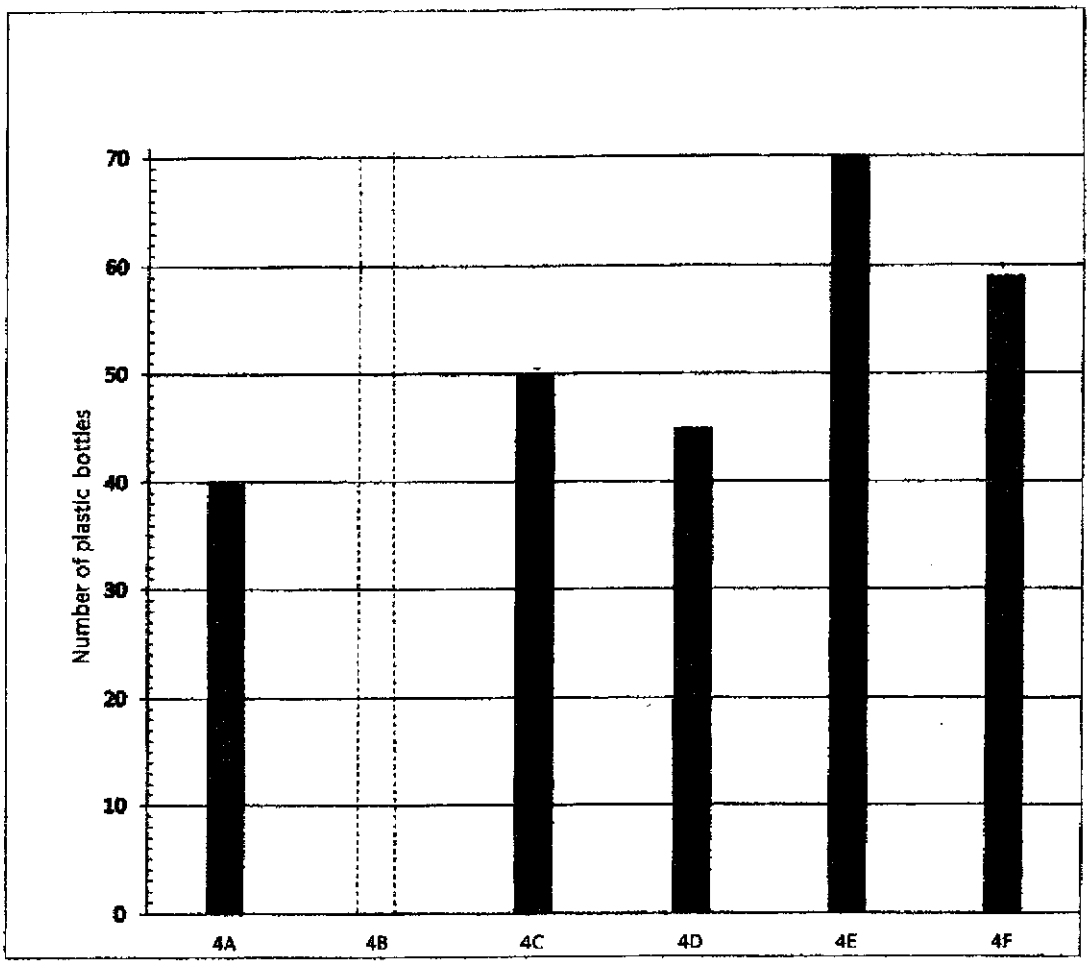
Plain Nuts
$2.90

Popcorn
$2.10

Chocolate
$3.50

, , and

30. The bar graph shows the number of plastic bottles collected by some classes. Study the graph carefully.



Class 4B collected $\frac{3}{5}$ of the number of bottles Class 4E collected.
How many classes collected 50 or more plastic bottles?

End of Paper 1

2021 PRIMARY 4 MID-YEAR EXAMINATION

Name: _____ ( ) Date: 10 May 2021

Class: Primary 4 ( ) Time: 10.30 a.m. - 11.30 a.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.

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. Jane bought 6 packets of beads.
There were 33 beads in each packet.
She then gave these beads equally to her 4 friends.
a) How many beads did each girl receive ?
b) How many beads were left ?

(a) Each girl received _____ beads.

(b) _____ beads were left.

Ans: a) _____

b) _____

2. A tank had 10 926 $m\ell$ of water at first.
8 ℓ of water was poured out of the tank.
The remaining volume of water was poured equally into 7 containers.
How much water was there in each container ?

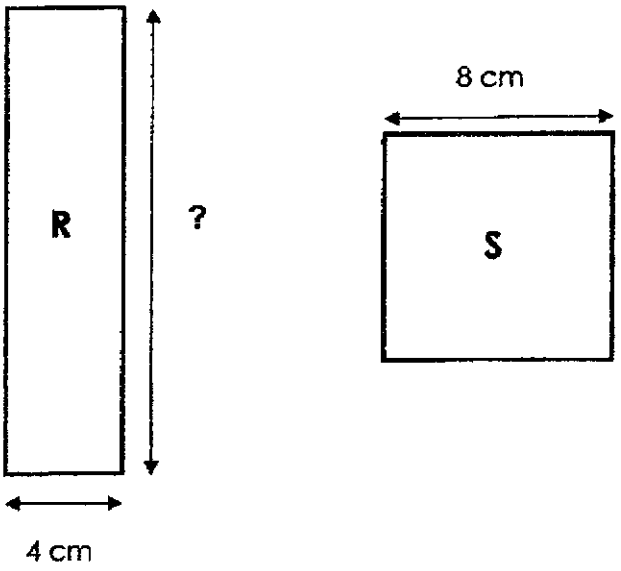
There was _____ of water.

Ans: _____

3. Rectangle R and Square S have the same area.

a) Find the area of Square S.

b) Find the perimeter of Rectangle R.



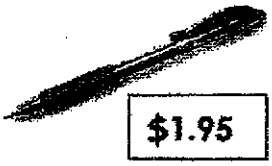
(a) The area of Square S is _____.

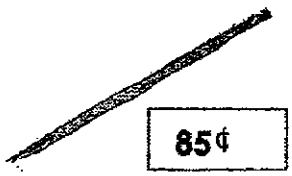
(b) The perimeter of Rectangle R is _____.

Ans: a) _____

b) _____

4. At the bookshop, a pen costs $1.95 and a pencil costs 85¢.
Vera wants to buy a pen and two pencils. She has a $2 note.
How much more money does she need ?





She needs _____ more.

Ans: _____

5. Farmer Goh sold $\frac{1}{3}$ of his chickens to Stall A and $\frac{4}{9}$ of his chickens to Stall B.

(a) What fraction of the chickens were sold ?

(b) He sold 63 chickens altogether. How many chickens had he left ?

(a) _____ of the chickens were sold.

(b) He had _____ chickens left.

Ans: a) _____

b) _____

6. I have fewer than 15 pears.
When I pack them in bags of 3, I have 2 pears left.
When I pack them in bags of 4, I have 3 pears left.
How many pears do I have ?

I have _____ pears.

Ans: _____

7. Mike had $330 at first. He paid $270 for a bag and 5 shirts.
The bag cost 4 times as much as the shirt.
(a) How much did the bag cost ?
(b) How many more shirts could he buy with the remaining money ?

(a) The bag costs _____.

(b) He could buy _____ more shirts with the remaining money.

Ans: a) _____

b) _____

8. There were 350 players.
There were 50 more players in the first team than in the second team.
The number of players in the third team was half the number of players in the second team.
How many players were there in the first team ?

There were _____ players in the first team.

Ans: _____

9. Mr Tan spent $80 to buy 25 bottles of sanitisers and packets of face masks. Each bottle of sanitiser cost $5 and each packet of face masks cost $2.

(a) How many bottles of sanitisers did he buy ?

(b) How many packets of face masks did he buy ?

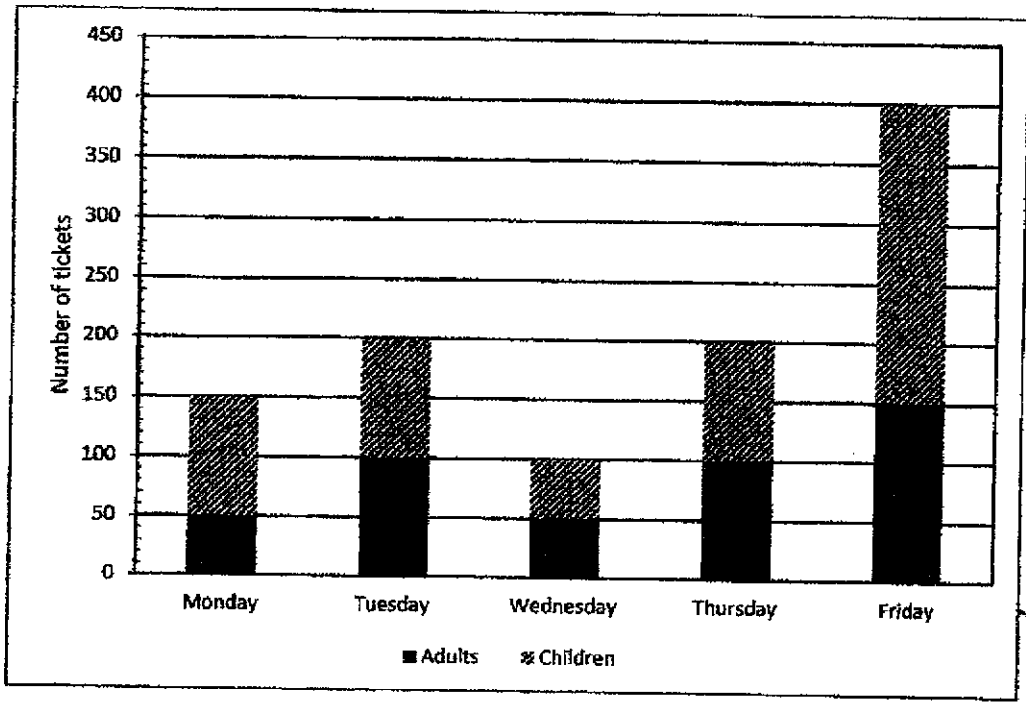
(a) He bought _____ bottles of sanitisers.

(b) He bought _____ packets of face masks.

Ans: (a) _____

(b) _____

10. The bar graph shows the number of tickets sold for a charity show. Study the graph carefully and answer (a), (b), (c) and (d).



Each of the statements below is either true or false based on the information given in the graph. For each statement, put a tick (✓) to indicate your answer.

Statement	True	False
(a) 200 tickets were sold on Tuesday.		
(b) An equal number of tickets were sold on Monday and Wednesday.		
(c) The number of tickets sold on Friday was 4 times the number of tickets sold on Wednesday.		
(d) The number of tickets sold for adults is more than the number of tickets for children.		

End of Paper 2

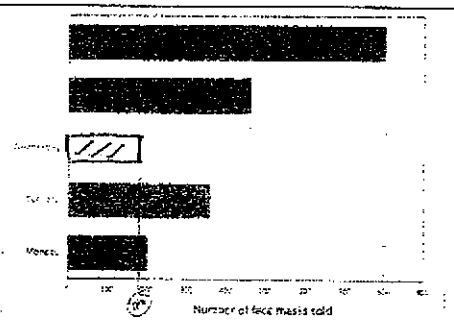
ANSWER KEY

YEAR : 2021
LEVEL : Primary 4
SCHOOL : Tao Nan School
SUBJECT : MATHEMATICS
TERM : Mid-Year Examination

BOOKLET A (PAPER 1)

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

BOOKLET B (PAPER 1)

Q11	42	Q12	85301
Q13	3020-200=2820	Q14	$\frac{15}{4} = 3\frac{3}{4}$
Q15	$40 \times 35 = 1400$	Q16	136
Q17	90-58=32	Q18	$21 \div 3 = 7$
Q19	$\frac{4}{12} = \frac{1}{3}$	Q20	
Q21	$1509 \times 6 = 9054$ 9054+3=9057	Q22	$45 \times 7 = 315$ $315 \div 60 = 5R15$ Ans : 5h 15 min
Q23	AB$\parallel FE$ BC$\parallel DE$	Q24	2
Q25	90+42=132	Q26	$\frac{7}{3}, 2, 1\frac{1}{2}, \frac{10}{7}$
Q27	(a) 7530-5516=2014 (b) 4600+7530=12130	Q28	$35 \times 4 = 140$
Q29	Jellybeans, Ice cream and chocolate	Q30	$70 \div 5 = 14$ $14 \times 3 = 42$ Ans : 3

PAPER 2

<table>
<tr><td>Q1</td><td>$33\times6=198$
$198\div4=49R2$
Ans : (a) 49
(b) 2</td><td>Q2</td><td>10926-8000=2926
$2920\div7=418$ml</td></tr>
<tr><td>Q3</td><td>(a) $8\times8=64$cm^2
(b) $64\div4=16$
$16\times2=32$
$4\times2=8$
32+8=40cm</td><td>Q4</td><td>195+85=280
280+85=365
265-200=165
Ans : $1.65</td></tr>
<tr><td>Q5</td><td>(a) $\frac{1}{3}=\frac{3}{9}$
$\frac{3}{9}+\frac{4}{9}=\frac{7}{9}$
(b) $63\div7=9$
$9\times9=81$
$9\times7=63$
81-63=18</td><td>Q6</td><td><table><tr><td>Multiple of 3</td><td>6</td><td>9</td></tr><tr><td>+2</td><td>6+2=8</td><td>9+2=11</td></tr><tr><td>Multiple of 4</td><td>4</td><td>8</td></tr><tr><td>+3</td><td>4+3=7</td><td>8+3=11</td></tr></table>Ans : 11</td></tr>
<tr><td>Q7</td><td>(a) $270\div9=30$
$30\times4=\$120$
(b) $30\times5=150$
150+120=270
330-270=60
$60\div30=2$</td><td>Q8</td><td>350-50=300
$300\div5=60$
$60\times2=120$
120+50=170</td></tr>
<tr><td>Q9</td><td>$10\times5=50$
80-50=30
$30\div2=15$
Ans : (a) 10
(b) 15</td><td>Q10</td><td>(a) True
(b) False
(c) True
(d) False</td></tr>
</table>

2

END