



NANYANG PRIMARY SCHOOL  
END-OF-YEAR EXAMINATION  
2025

PRIMARY 3  
MATHEMATICS

Time: 1 hour 30 minutes

**INSTRUCTIONS TO CANDIDATES**

1. Write your name and index number in the space provided.
2. Do not turn over this page until you are told to do so.
3. Follow all instructions carefully.
4. Answer all questions.
5. Write your answers in this booklet.

Name \_\_\_\_\_ (      )

Class: \_\_\_\_\_

Parent \_\_\_\_\_

Please sign and return the examination paper the next day. Any queries should be raised at the time when the paper is returned.

MCQ	/ 5
SAQ	/ 28
LAQ	/ 17
Total	/ 50

This booklet consists of 19 printed pages and 1 blank page(s).

**Multiple Choice Questions (MCQ)**

Questions 1 to 5 carry 1 mark each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer (1, 2, 3 or 4) in the bracket ( ) provided.

(5 marks)

1. Complete the addition equation.

$$5781 = 5000 + 700 + \boxed{\phantom{000}} + 1$$

- (1) 8
- (2) 80
- (3) 800
- (4) 8000

( )

2. Arrange the numbers in decreasing order.

5737	3753	3773	5337
------	------	------	------

- (1) 3753 , 3773 , 5737 , 5337
- (2) 3753 , 3773 , 5337 , 5737
- (3) 5337 , 5737 , 3773 , 3753
- (4) 5737 , 5337 , 3773 , 3753

( )

3. Arrange the fractions in increasing order.

$\frac{1}{8}$	$\frac{5}{6}$	$\frac{2}{3}$
---------------	---------------	---------------

- (1)  $\frac{1}{8}$        $\frac{2}{3}$        $\frac{5}{6}$   
(2)  $\frac{1}{8}$        $\frac{5}{6}$        $\frac{2}{3}$   
(3)  $\frac{5}{6}$        $\frac{2}{3}$        $\frac{1}{8}$   
(4)  $\frac{2}{3}$        $\frac{5}{6}$        $\frac{1}{8}$

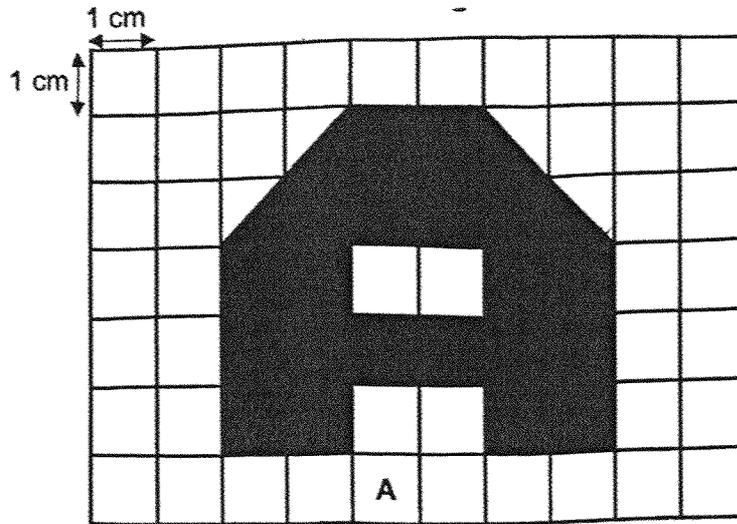
( )

4. Express 502 cm in metres and centimetres.

- (1) 5 m 2 cm  
(2) 5 m 20 cm  
(3) 50 m 2 cm  
(4) 50 m 20 cm

( )

5. Figure A is made up of 1-cm squares.  
Find the area of Figure A.



- (1)  $21 \text{ cm}^2$   
(2)  $22 \text{ cm}^2$   
(3)  $23 \text{ cm}^2$   
(4)  $24 \text{ cm}^2$

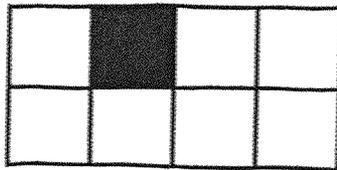
( )

**Short-Answer Questions (SAQ)**

Questions 6 to 13 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(8 marks)

6. Look at the figure below.  
One of the squares is shaded.



Mala then shades some squares on the above figure.

$\frac{1}{2}$  of the figure is then shaded.

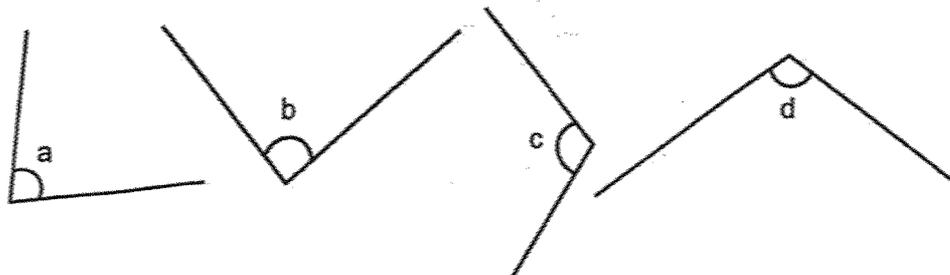
How many squares does Mala shade?

Ans: \_\_\_\_\_

7. Express  $\frac{2}{6}$  in its simplest form.

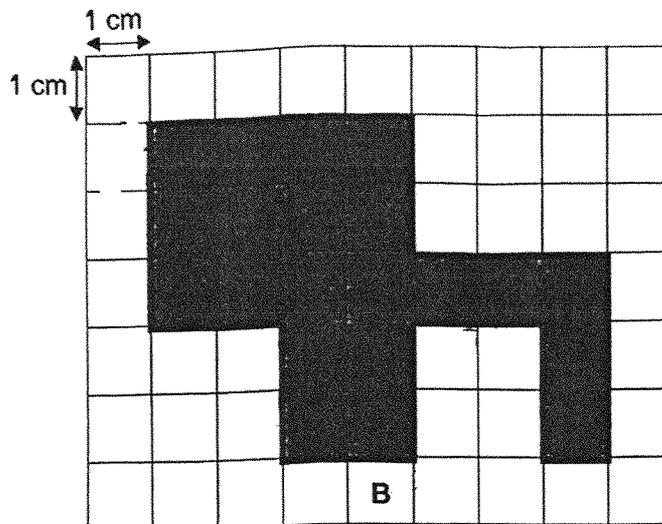
Ans: \_\_\_\_\_

8. Which of these angles is a right angle?



Ans: \_\_\_\_\_

9. Figure B is made up of 1-cm squares. Find the perimeter of Figure B.



Ans: \_\_\_\_\_ cm

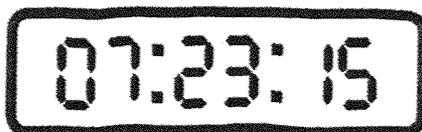
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10. A square has sides of 6 cm. What is the area of the square?

Ans: \_\_\_\_\_ cm<sup>2</sup>

---

11. Priya started crossing a road and her watch showed the time below.



When she finished crossing the road, her watch then showed the time below.

How many seconds did she take to cross that road?



Ans: \_\_\_\_\_ s

---

12. Cruz finished his dance competition at 5:27 pm.  
The competition lasted 1 h 33 min.  
What time did his dance competition start?

Ans: \_\_\_\_\_

---

13. There are 2 different 2-digit numbers.  
The sum of the 2 numbers is 50.  
The smaller number is less than 20.  
The sum of the digits of the greater number is 9.  
Find the smaller number.

Ans: \_\_\_\_\_

---

**Short-Answer Questions (SAQ)**

Questions 14 to 23 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

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14. Complete the number patterns.

(a) 3520 , 3720 ,  , 4120 , 4320 , 4520

Ans: (a) \_\_\_\_\_

(b) 7800 , 7750 , 7700 ,  , 7600 , 7550 , 7500

Ans: (b) \_\_\_\_\_

---

15. There are two cards.  
Each card has a number printed on it.

1642

6351

- (a) Find the sum of the two numbers on the cards.

Ans: (a) \_\_\_\_\_

- (b) Find the difference between the two numbers on the cards.

Ans: (b) \_\_\_\_\_

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16. (a) What is the product of 7 and 8?

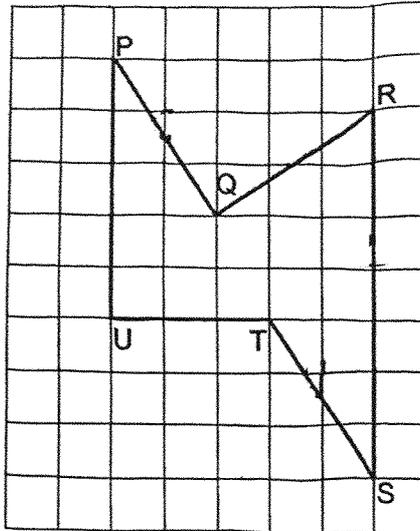
Ans: (a) \_\_\_\_\_

- (b) There were 45 picture cards.  
They were placed equally into bags of 9.  
How many bags were used?

Ans: (b) \_\_\_\_\_

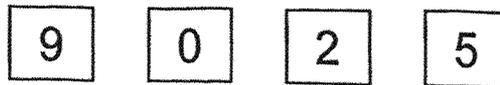
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17. Identify and name two pairs of parallel lines.  
Use a set square and a ruler to help you.



Ans:  //   
 //

18. Alina has digit cards as shown below.



- (a) What is the smallest 4-digit even number that she can form?  
Each digit can only be used once.

Ans: (a) \_\_\_\_\_

- (b) What is the greatest 4-digit odd number that she can form?  
Each digit can only be used once.

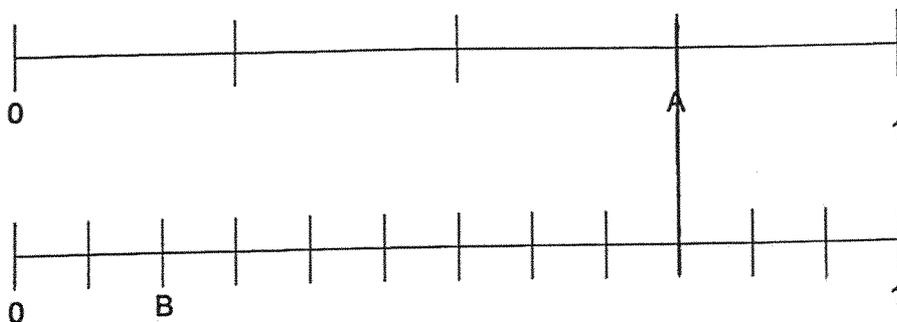
Ans: (b) \_\_\_\_\_

19. Kai Le bought a toy robot and a board game.  
He paid \$57.20 for the toy robot.  
The toy robot cost \$28.40 more than the board game.  
How much did the board game cost?

Ans: \$ \_\_\_\_\_

---

20. Look at the number lines below.



Find the sum of A and B.

Ans: \_\_\_\_\_

---

21. Rosnie started baking at 14 25.  
She spent 45 min baking cookies and another 58 min baking muffins.  
What time did Rosnie finish baking the cookies and the muffins?  
Write your answer in 24-hour clock.

Ans: \_\_\_\_\_

---

22. A new CCA was formed at the beginning of the year.  
In Term 1, some students joined the CCA.  
At the beginning of Term 2, 32 students left the CCA and 20 students  
joined the CCA.  
At the beginning of Term 3, 56 students joined the CCA.  
There were a total of 94 students in the CCA in the end.  
How many students joined the CCA at the beginning of the year?

Ans: \_\_\_\_\_

---

23. The total amount of 21 \$2 notes and \$5 notes is \$60.  
How many \$5 notes are there?

Ans: \_\_\_\_\_

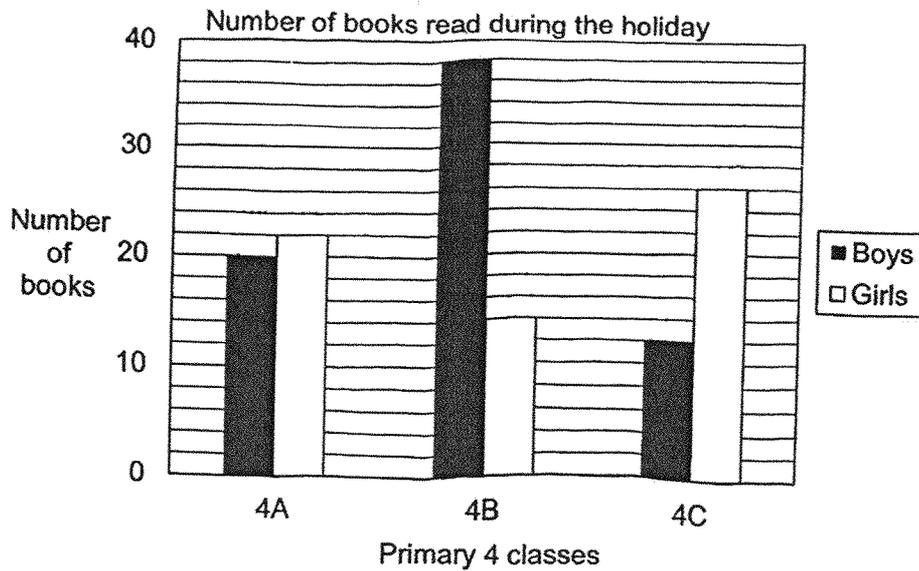
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**Long-Answer Questions (LAQ)**

For questions 24 to 28, 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.

(17 marks)

24. The bar graph shows the number of books the students read during the school holiday.



- (a) How many books did the 4C boys read during the holiday?

Ans: (a) \_\_\_\_\_ [1]

- (b) How many more books did the boys read than the girls in 4B?

Ans: (b) \_\_\_\_\_ [1]

- (c) How many books did the Primary 4 girls read altogether?

Ans: (c) \_\_\_\_\_

25. Ali has 2982 stamps.  
Ali has 61 stamps more than James.  
Raj has 621 stamps more than James.  
How many stamps does Raj have?

Ans: \_\_\_\_\_ [3]

---

26. Jenssen and Aldric has 30 marbles.  
Jenssen has 5 times as many marbles as Aldric.  
How many more marbles does Jenssen have than Aldric?

Ans: \_\_\_\_\_ [3]

---

27. Jonathan paid \$50 to the cashier for 8 identical files and received a change of \$18.

(a) How much did each file cost?

Ans: (a) \_\_\_\_\_ [2]

(b) Jonathan returned to the shop and bought a pen.  
The file cost 4 times as much as the pen.  
How much did he spend on the 8 files and the pen?

Ans: (b) \_\_\_\_\_ [2]

---

28. Sarah had 1150 ml of milk.  
Her sister had 870 ml of milk.

(a) How much more milk did Sarah have than her sister?

Ans: (a) \_\_\_\_\_ [2]

(b) How much milk should Sarah give to her sister so that both have the same amount of milk in the end?

Ans: (b) \_\_\_\_\_ [2]

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End of Paper



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Name: P3 Math ( )

Class: Primary 3 ( )

Parent's Signature: \_\_\_\_\_

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MCQ	/ 5
SAQ	/ 28
LAQ	/ 17
Total	/ 50

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**Multiple Choice Questions (MCQ)**

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(5 marks)

1. Complete the addition equation.

$$5781 = 5000 + 700 + \boxed{\phantom{000}} + 1$$

- (1) 8  
(2) 80  
(3) 800  
(4) 8000

( 2 )

2. Arrange the numbers in decreasing order.

(1)	(2)	(3)	(4)
5737	3753	3773	5337

big  $\longrightarrow$  small

- (1) 3753, 3773, 5737, 5337  
(2) 3753, 3773, 5337, 5737  
(3) 5337, 5737, 3773, 3753  
(4) 5737, 5337, 3773, 3753

( 4 )

3. Arrange the fractions in increasing order.

less than $\frac{1}{2}$	more than $\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{8}$	$\frac{5}{8}$	$\frac{2}{3}$ , $\frac{4}{6}$
(1)	(2)	(3)

small  $\longrightarrow$  big

- (1)  $\frac{1}{8}$ ,  $\frac{2}{3}$ ,  $\frac{5}{8}$   
(2)  $\frac{1}{8}$ ,  $\frac{5}{8}$ ,  $\frac{2}{3}$   
(3)  $\frac{5}{8}$ ,  $\frac{2}{3}$ ,  $\frac{1}{8}$   
(4)  $\frac{2}{3}$ ,  $\frac{5}{8}$ ,  $\frac{1}{8}$

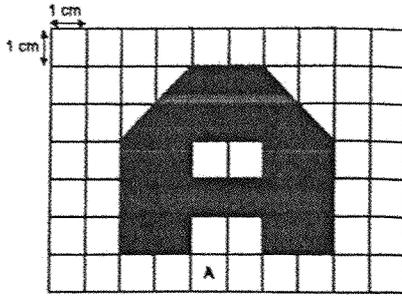
( 1 )

4. Express 502 cm in metres and centimetres.

- (1) 5 m 2 cm       $502 \text{ cm} = 500 \text{ cm} + 2 \text{ cm}$   
(2) 5 m 20 cm       $= 5 \text{ m } 2 \text{ cm}$   
(3) 50 m 2 cm  
(4) 50 m 20 cm

( 1 )

5. Figure A is made up of 1-cm squares. Find the area of Figure A.

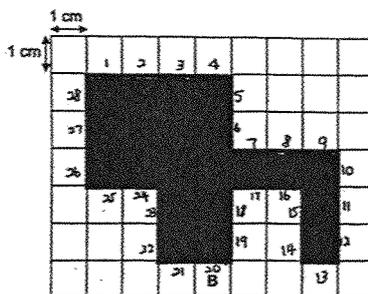


- (1)  $21 \text{ cm}^2$   
 (2)  $22 \text{ cm}^2$   
 (3)  $23 \text{ cm}^2$   
 (4)  $24 \text{ cm}^2$

( 2 )

5

9. Figure B is made up of 1-cm squares. Find the perimeter of Figure B.



Ans: 38 cm

10. A square has sides of 8 cm. What is the area of the square?

$$6 \times 6 = 36$$

Ans: 36  $\text{cm}^2$

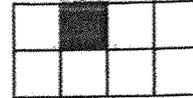
7

**Short-Answer Questions (SAQ)**

Questions 6 to 13 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(8 marks)

6. Look at the figure below. One of the squares is shaded.



Mala then shades some squares on the above figure.

$\frac{1}{2}$  of the figure is then shaded.

How many squares does Mala shade?

$$4 - 1 = 3$$

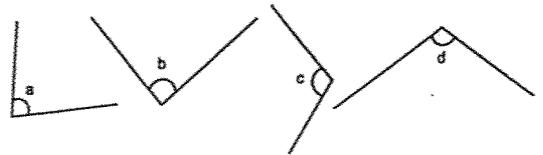
Ans: 3

7. Express  $\frac{2}{8}$  in its simplest form.

$$\frac{2 \div 2}{8 \div 2} = \frac{1}{3}$$

Ans:  $\frac{1}{3}$

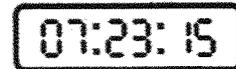
8. Which of these angles is a right angle?



Ans: b

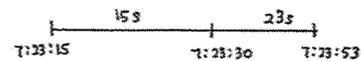
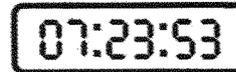
6

11. Priya started crossing a road and her watch showed the time below.



When she finished crossing the road, her watch then showed the time below.

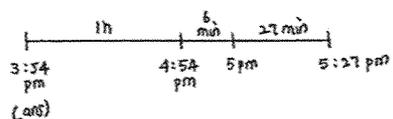
How many seconds did she take to cross that road?



$$15 + 23 = 38$$

Ans: 38 s

12. Cruz finished his dance competition at 5:27 pm. The competition lasted 1 h 33 min. What time did his dance competition start?



Ans: 3:54 pm or 15:54

8

13. There are 2 different 2-digit numbers.  
 The sum of the 2 numbers is 50.  
 The smaller number is less than 20.  
 The sum of the digits of the greater number is 9.  
 Find the smaller number.

$$\text{greater} + \text{smaller} = 50$$

$$\text{smaller} < 20$$

greater	smaller	check
18	32	X smaller number must be less than 20
27	23	X smaller number must be less than 20
36	14	✓
45	5	X smaller number is a 2 digit number

Ans: 14

**Short-Answer Questions (SAQ)**

Questions 14 to 23 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(20 marks)

14. Complete the number patterns.

(a) 3620, 3720,  , 4120, 4320, 4520

$\begin{array}{c} \curvearrowright \quad \curvearrowright \quad \curvearrowright \\ +200 \quad +200 \quad +200 \end{array}$

$$3720 + 200 = 3920 \quad \text{Ans: (a) } \underline{3920}$$

(b) 7800, 7750, 7700,  , 7600, 7550, 7500

$\begin{array}{c} \curvearrowleft \quad \curvearrowleft \quad \curvearrowleft \quad \curvearrowleft \\ -50 \quad -50 \quad -50 \quad -50 \end{array}$

$$7700 - 50 = 7650 \quad \text{Ans: (b) } \underline{7650}$$

15. There are two cards.  
 Each card has a number printed on it.

1642      6351

- (a) Find the sum of the two numbers on the cards.

$$\begin{array}{r} 1642 \\ + 6351 \\ \hline 7993 \end{array}$$

$$1642 + 6351 = 7993$$

Ans: (a) 7993

- (b) Find the difference between the two numbers on the cards.

$$\begin{array}{r} 6351 \\ - 1642 \\ \hline 4709 \end{array}$$

$$6351 - 1642$$

Ans: (b) 4709

18. (a) What is the product of 7 and 8?

$$7 \times 8 = 56$$

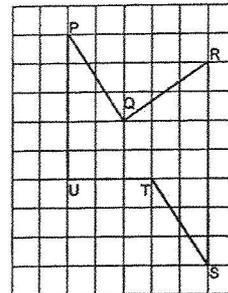
Ans: (a) 56

- (b) There were 45 picture cards.  
 They were placed equally into bags of 9.  
 How many bags were used?

$$45 \div 9 = 5$$

Ans: (b) 5

17. Identify and name two pairs of parallel lines.  
 Use a set square and a ruler to help you.



Ans: PU // RS

PQ // TS

18. Alina has digit cards as shown below.

9 0 2 5

- (a) What is the smallest 4-digit even number that she can form?  
 Each digit can only be used once.

$$\begin{array}{cccc} 2 & 5 & 9 & 0 \\ \uparrow & & & \uparrow \\ \text{smallest} & & & 0 \text{ or } 2 \\ \text{except } 0 & & & \end{array} \quad \text{Ans: (a) } \underline{2590}$$

- (b) What is the greatest 4-digit odd number that she can form?  
 Each digit can only be used once.

$$\begin{array}{cccc} 9 & 2 & 0 & 5 \\ \uparrow & & & \uparrow \\ \text{greatest} & & & 5 \text{ or } 9 \end{array} \quad \text{Ans: (b) } \underline{9205}$$

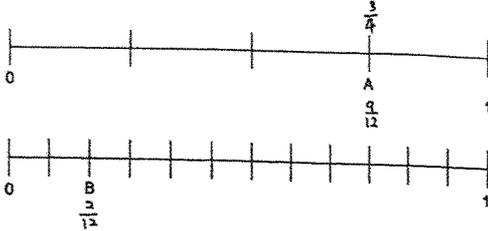
19. Kai Le bought a toy robot and a board game. He paid \$57.20 for the toy robot. The toy robot cost \$28.40 more than the board game. How much did the board game cost?

$$\$57.20 - \$28.40 = \$28.80$$

$$\begin{array}{r} 16 \ 12 \\ 64 \ 50 \\ -28 \ 40 \\ \hline 28 \ 80 \end{array}$$

Ans: \$ 28.80

20. Look at the number lines below.



Find the sum of A and B.

$$\frac{3}{4} = \frac{9}{12}$$

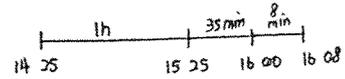
$$\frac{9}{12} + \frac{2}{12} = \frac{11}{12}$$

Ans:  $\frac{11}{12}$

13

21. Rosie started baking at 14:25. She spent 45 min baking cookies and another 58 min baking muffins. What time did Rosie finish baking the cookies and the muffins? Write your answer in 24-hour clock.

$$45 \text{ min} + 58 \text{ min} = 1 \text{ h } 43 \text{ min}$$



Ans: 16:08

22. A new CCA was formed at the beginning of the year. In Term 1, some students joined the CCA. At the beginning of Term 2, 32 students left the CCA and 20 students joined the CCA. At the beginning of Term 3, 56 students joined the CCA. There were a total of 94 students in the CCA in the end. How many students joined the CCA at the beginning of the year?

Term 1	→	Term 2	→	Term 3	→	End
?		-32		+56		94
		+20				

$$\begin{array}{r} 94 \\ -56 \\ \hline 38 \end{array}$$

$$94 - 56 = 38$$

$$38 - 20 = 18$$

$$18 + 32 = 50$$

Ans: 50

14

23. The total amount of 21 \$2 notes and \$5 notes is \$60. How many \$5 notes are there?

No. of \$2 notes	Amount from \$2 notes	No. of \$5 notes	Amount from \$5 notes	Total notes	Total Amount
10	$10 \times \$2 = \$20$	11	$11 \times \$5 = \$55$	$11 + 10 = 21$	$\$20 + \$55 = \$75$
11	$11 \times \$2 = \$22$	10	$10 \times \$5 = \$50$	$11 + 10 = 21$	$\$22 + \$50 = \$72$
15	$15 \times \$2 = \$30$	6	$6 \times \$5 = \$30$	$15 + 6 = 21$	$\$30 + \$30 = \$60$

(ans)

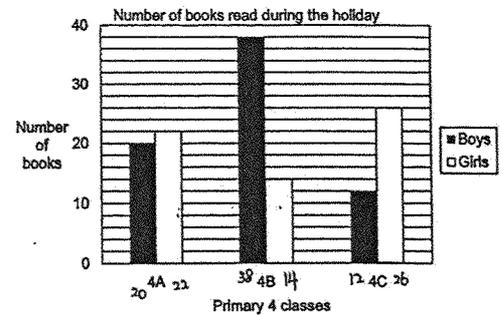
Ans: 6

#### Long-Answer Questions (LAQ)

For questions 24 to 28, 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.

(17 marks)

24. The bar graph shows the number of books the students read during the school holiday.



- (a) How many books did the 4C boys read during the holiday?

Ans: (a) 12 [1]

- (b) How many more books did the boys read than the girls in 4B?

$$38 - 14 = 24$$

Ans: (b) 24 [1]

- (c) How many books did the Primary 4 girls read altogether?

$$22 + 14 + 26 = 62$$

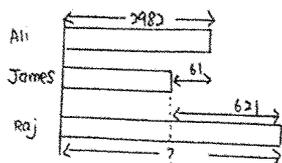
Ans: (c) 62 [1]

$$\begin{array}{r} 1 \\ 22 \\ 14 \\ + 26 \\ \hline 62 \end{array}$$

15

16

25. Ali has 2982 stamps  
 Ali has 61 stamps more than James.  
 Raj has 621 stamps more than James.  
 How many stamps does Raj have?



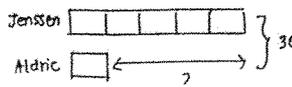
$$\begin{aligned} \text{James} &\rightarrow 2982 - 61 \\ &= 2921 \end{aligned}$$

$$\begin{aligned} \text{Raj} &\rightarrow 2921 + 621 \\ &= 3542 \end{aligned}$$

Ans: 3542 [3]

17

26. Jensen and Aldric has 30 marbles.  
 Jensen has 5 times as many marbles as Aldric.  
 How many more marbles does Jensen have than Aldric?



$$\begin{aligned} 6 \text{ units} &= 30 \\ 1 \text{ unit} &= 30 \div 6 \\ &= 5 \end{aligned}$$

$$\begin{aligned} 4 \text{ units} &= 5 \times 4 \\ &= 20 \end{aligned}$$

Ans: 20 [3]

18

27. Jonathan paid \$50 to the cashier for 8 identical files and received a change of \$18.

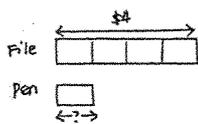
(a) How much did each file cost?

$$\$50 - \$18 = \$32$$

$$\$32 \div 8 = \$4$$

Ans: (a) \$4 [2]

(b) Jonathan returned to the shop and bought a pen.  
 The file cost 4 times as much as the pen.  
 How much did he spend on the 8 files and the pen?



$$\$4 \div 4 = \$1 \rightarrow \text{pen}$$

$$\$32 + \$1 = \$33$$

Ans: (b) \$33 [2]

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28. Sarah had 1150 ml of milk.  
 Her sister had 870 ml of milk.

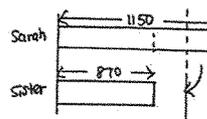
(a) How much more milk did Sarah have than her sister?

$$\begin{array}{r} 1150 \\ - 870 \\ \hline 280 \end{array}$$

$$1150 - 870 = 280$$

Ans: (a) 280 ml [2]

(b) How much milk should Sarah give to her sister so that both have the same amount of milk in the end?



$$\begin{aligned} 1150 + 870 &= 2020 \\ 280 \div 2 &= 140 \quad \text{OR} \quad 2020 \div 2 = 1010 \\ 1010 - 870 &= 140 \end{aligned}$$

Ans: (b) 140 ml [2]

End of Paper

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