

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END OF YEAR EXAMINATION 2023 PRIMARY 3 MATHEMATICS

Booklet A

### Total Time

Booklets A to C: 1 hour 30 minutes

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Shade your answers in the Optical Answer Sheet (OAS) provided.

Name: \_\_\_\_\_ (   )

Class: Primary 3. \_\_\_\_\_

Date: 30 October 2023

This booklet consists of 7 printed pages including this page.

Questions 1 to 4 carry 1 mark each. Questions 5 to 16 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) and shade your answer on the Optical Answer Sheet.

(28 marks)

1 Two thousand, three hundred and seventy written as numerals is \_\_\_\_\_.

- (1) 2037
- (2) 2307
- (3) 2317
- (4) 2370

2 4059 is the same as \_\_\_\_\_.

- (1)  $400 + 50 + 9$
- (2)  $4000 + 50 + 9$
- (3)  $4000 + 500 + 9$
- (4)  $4000 + 5000 + 9$

3 In 6258, the digit \_\_\_\_\_ is in the thousands place.

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

(Go on to the next page)

4  $4337 + 2945 = \underline{\hspace{2cm}}$

- (1) 6272
- (2) 6282
- (3) 7282
- (4) 8272

5 5501, 5101, 4701,           , 3901, 3501  
What is the missing number in the pattern?

- (1) 4501
- (2) 4301
- (3) 4201
- (4) 4101

6 How many whole numbers between 30 and 50 can be divided exactly by 7?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

7 Write 6 km 24 m in metres.

- (1) 624 m
- (2) 6024 m
- (3) 6204 m
- (4) 6240 m

8 Express  $\frac{8}{12}$  in its simplest form.

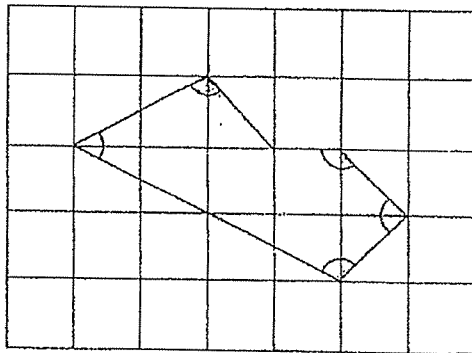
(1)  $\frac{2}{3}$

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

(3)  $\frac{1}{4}$

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

9 The figure is drawn on a square grid.



How many of the marked angles are obtuse angles?

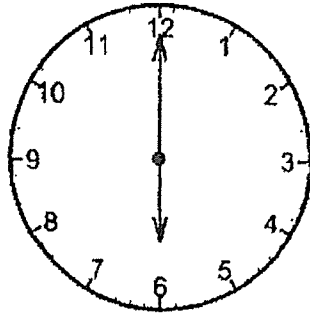
(1) 5

(2) 2

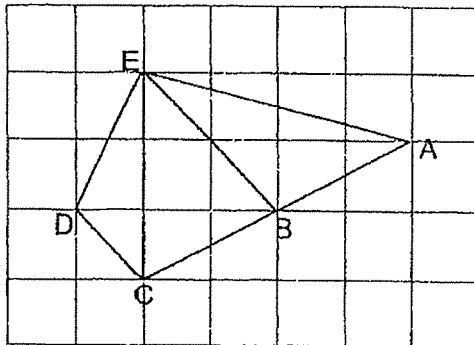
(3) 3

(4) 4

- 10 John started his dinner at the time shown on the clock below.  
The clock was 30 minutes fast.  
What was the actual time?



- (1) 15 30  
(2) 16 30  
(3) 17 30  
(4) 18 30
- 11 The figure below is drawn in a square grid. AC is a straight line.  
Which two lines are parallel to each other?



- (1) AB and BE  
(2) AE and CD  
(3) BC and ED  
(4) BE and CD

12  $8 \times 6 = \boxed{\phantom{00}} \div 2$

What is the missing number in the box?

- (1) 24
- (2) 48
- (3) 50
- (4) 96

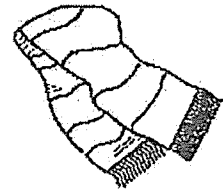
13 Which one of the following statements is true?

- (1)  $\frac{1}{4} > \frac{1}{2}$
- (2)  $\frac{5}{6} > \frac{1}{2}$
- (3)  $\frac{3}{12} < \frac{1}{4}$
- (4)  $\frac{2}{3} < \frac{1}{4}$

14  $\frac{2}{8} + \frac{1}{12} = \underline{\hspace{2cm}}$

- (1)  $\frac{1}{3}$
- (2)  $\frac{1}{6}$
- (3)  $\frac{3}{12}$
- (4)  $\frac{3}{20}$

- 15 Mrs Lee bought a scarf and a blouse.  
She had \$5 left in her purse. How much money did she have at first?



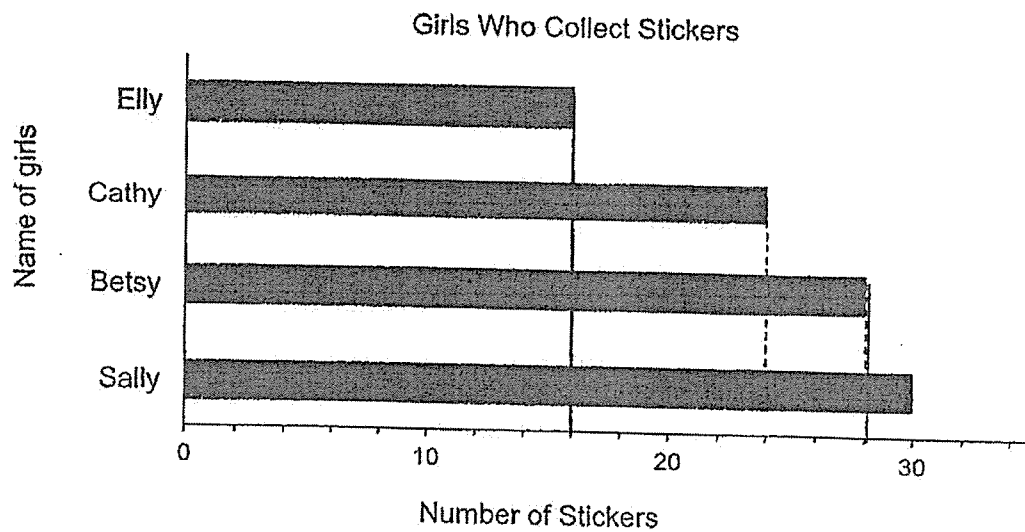
Scarf  
\$15.40



Blouse  
\$36.20

- (1) \$25.80  
(2) \$46.60  
(3) \$51.60  
(4) \$56.60

- 16 The bar graph below shows the number of stickers that 4 girls have.



How many fewer stickers does Elly have than Betsy?

- (1) 11  
(2) 12  
(3) 15  
(4) 16

(Go on to Booklet B)

# METHODIST GIRLS' SCHOOL (PRIMARY)

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## END OF YEAR EXAMINATION 2023 PRIMARY 3 MATHEMATICS

Booklet B

### Total Time

Booklets A to C: 1 hour 30 minutes

### INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.

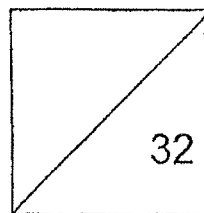
Follow all instructions carefully.

Answer all questions.

Name: \_\_\_\_\_ ( )

Class: Primary 3. \_\_\_\_\_

Date: 30 October 2023



This booklet consists of 10 printed pages including this page.



Questions 17 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (4 marks)

Do not write  
in this space

17 1000 more than \_\_\_\_\_ is 4729.

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

18 Divide 472 by 8.

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

19 Mr Lee slept at 23 25.  
Give the time he slept in 12-hour clock.  
Include am or pm in your answer.

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

20 Write 3095 g in kilograms and grams.

Ans: \_\_\_\_\_ kg \_\_\_\_\_ g

(Go on to the next page)

Questions 21 to 34 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. (28 marks)

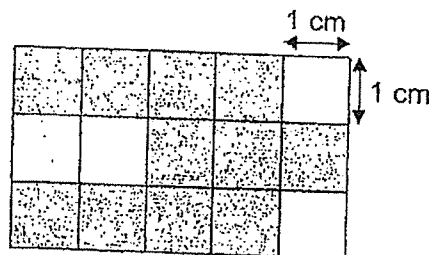
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in this space

- 21 Leon cycled for 5 km from Point P to Point Q.  
Then he took a bus for 2800 m from Point Q to Point R.  
What was the total distance covered by him in kilometres and metres?



Ans: \_\_\_\_\_ km \_\_\_\_\_ m

- 22 The shaded figure is made up of 1-cm squares.  
What is the area and perimeter of the shaded figure?



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

Perimeter = \_\_\_\_\_ cm

- 23 What is the difference between  $\frac{5}{12}$  and  $\frac{1}{6}$ ?  
Give your answer in its simplest form.

Do not write  
in this space

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

- 24 Arrange the fractions in order, beginning with the greatest.

$$\frac{1}{10}, \frac{3}{5}, \frac{2}{9}, \frac{2}{4}$$

Ans: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(greatest)

(Go on to the next page)

25

Using all the digits below, form the greatest 4-digit odd number with the digit 3 in the tens place.

2	4	7	3
---	---	---	---

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

--

26

There are 1374 adults in the concert hall.  
There are 639 fewer children than adults.  
How many children are there in the concert hall?

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

--

(Go on to the next page)

- 27 A fruit seller packs 280 apples into bags of 6.  
How many apples are left unpacked?

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

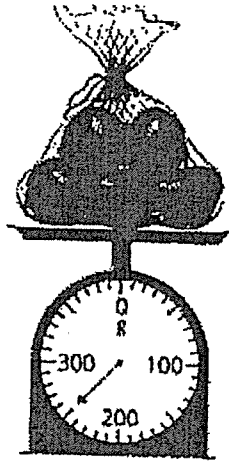
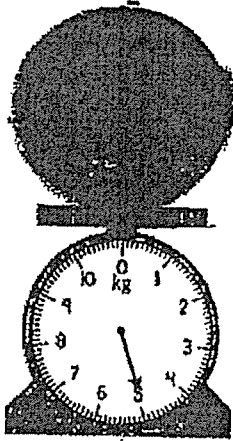
- 28 A storybook costs \$40.15. It costs \$17.65 less than a dictionary.  
What is the cost of the dictionary?

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

(Go on to the next page)

29

Compare the masses of the objects.



How much lighter is the bag of apples than the watermelon?

Ans: \_\_\_\_\_ kg \_\_\_\_\_ g

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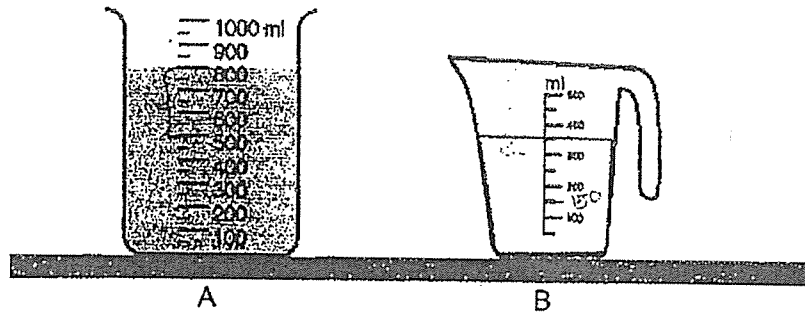
30

Fatimah and her family ate at a fast food restaurant.  
The meal cost \$33.25. She gave the cashier a \$50 note.  
How much change should she receive?

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

(Go on to the next page)

- 31 Two containers of different sizes were filled with different amounts of water.



Joan wanted to pour water from container A to container B so that container B would have 500 ml of water.

What would be the volume of water left in container A?

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

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in this space

- 32 What digit does each shape stand for?

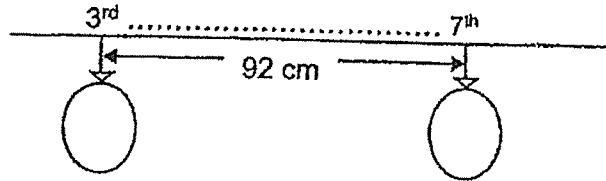
$$\begin{array}{r}
 9 \quad \diamond \quad 2 \\
 \times \quad \quad \quad 7 \\
 \hline
 6 \quad \heartsuit \quad 2 \quad 4 \\
 \hline
 \hline
 \end{array}$$

Ans:  $\diamond =$  \_\_\_\_\_  
 $\heartsuit =$  \_\_\_\_\_

(Go on to the next page)

33

John placed some balloons at an equal distance from each other. The distance between the 3<sup>rd</sup> and the 7<sup>th</sup> balloon is 92 cm. What is the distance between each balloon?



Do not write  
in this space

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

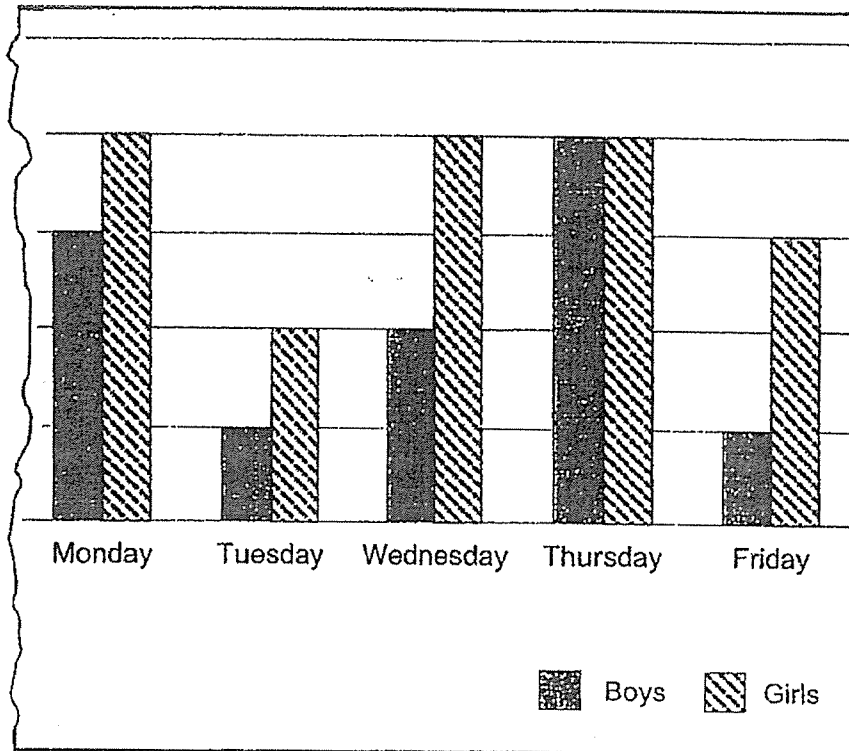




34

The bar graph shows the number of boys and girls at the school library from Monday to Friday last week. The scale on the vertical axis was torn off accidentally and could not be seen.

Do not write  
in this space



Based on the information from the bar graph, tick (✓) True or False for the statements below.

Statement	True	False
a) There are three times as many girls as boys at the school library on Friday.		
b) More boys than girls visited the school library from Monday to Friday.		

METHODIST GIRLS' SCHOOL (PRIMARY)  
Founded in 1887



END OF YEAR EXAMINATION 2023  
PRIMARY 3  
MATHEMATICS

Booklet C

Total Time

Booklets A to C: 1 hour 30 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.  
Follow all instructions carefully.  
Answer all questions.

Name: \_\_\_\_\_ (   )

Class: Primary 3. \_\_\_\_\_

Date: 30 October 2023

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

<b>Booklet A</b>	/ 28
<b>Booklet B</b>	/ 32
<b>Booklet C</b>	/ 20
<b>TOTAL</b>	/ 80

This booklet consists of 5 printed pages including this page.

For questions 35 to 40, show your workings 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. (20 marks)

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- 35 A train arrived at Gardens MRT station with 1359 passengers. 247 passengers alighted from the train and 498 passengers boarded the train. How many passengers were there in the train when it left Gardens MRT station?

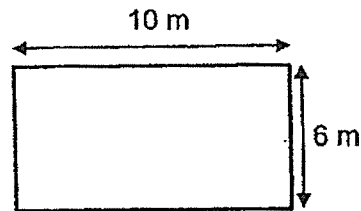
Ans: \_\_\_\_\_ [3]

- 36 Mrs Tan started cleaning her house at 9.35 am. She took 2 h 45 min to clean her house. Then she watched a television programme until 2 pm. How long did she watch the television programme?

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

37

Mr Rahim put up a fence around his rectangular garden. The length of the garden is 10 m. Its breadth is 6 m. One metre of fence cost \$8. How much did Mr Rahim pay for his fence?



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

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in this space



38

Mrs Soh had 13 packets of sweets. Each packet had the same number of sweets. She gave 12 pupils a packet each. From the remaining packet, she gave 7 sweets to each of the same pupils and there was no leftover. How many sweets did each pupil get in the end?

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



- 39 A box of 4 muffins cost \$9. Mrs Lim has \$120.

(a) How many boxes of muffins can she buy at most?



4 muffins for \$9

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

(b) How many muffins can she buy altogether?

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

40

Ali and Samad had 80 marbles altogether.  
After Ali gave 7 marbles to Samad, Ali had 4 times as many marbles as Samad.

(a) How many marbles did Samad have in the end?

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

(b) How many marbles did Samad have at first?

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

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End of Paper

YEAR : 2023  
 LEVEL : PRIMARY 3  
 SCHOOL : METHODIST GIRLS' SCHOOL (PRIMARY)  
 SUBJECT : MATHEMATICS  
 TERM : END OF YEAR EXAMINATION

Q1	4	Q2	2	Q3	3	Q4	3	Q5	2
Q6	3	Q7	2	Q8	1	Q9	3	Q10	3
Q11	4	Q12	4	Q13	2	Q14	1	Q15	4
Q16	2								

Q17	$3729 + 1000 = 4729$ <i>Ans: 3729</i>	Q18	$472 \div 8 = 59$
Q19	11:25pm	Q20	3kg 95g
Q21	$5000 + 2800 = 7800$ 7km 800m	Q22	Area = $11\text{cm}^2$ Perimeter = 20cm
Q23	$\frac{5}{12} - \frac{2}{12} = \frac{3}{12}$ $\frac{3}{12} = \frac{1}{4}$	Q24	$\frac{3}{5} \times \frac{2}{4} \times \frac{2}{9} \times \frac{1}{10}$
Q25	4237	Q26	$1374 - 639 = 735$
Q27	$280 \div 6 = 46 \text{ R } 4$ Ans: 4	Q28	$\$40.15 + \$17.65 = \$57.80$
Q29	$5000 - 250 = 4750$ 4kg 750g	Q30	$\$50.00 - \$33.25 = \$16.75$
Q31	$500\text{ml} - 350\text{ml} = 150\text{ml}$ $800\text{ml} - 150\text{ml} = 650\text{ml}$	Q32	Ans: 3 5
Q33	$7 - 3 = 4$ $92 \div 4 = 23\text{cm}$	Q34	a) True b) False
Q35	$1359 - 247 = 1112$ $1112 + 498 = 1610$	Q36	1h 40min
Q37	$10 + 10 + 6 + 6 = 32$ $32 \times 8 = \$256$	Q38	No. of sweets in each packet = $7 \times 12 = 84$ $84 + 7 = 91$
Q39	a) $120 \div 9 = 13 \text{ R } 3$ Ans: 13 b) $13 \times 4 = 52$	Q40	a) $80 \div 5 = 16$ b) $16 - 7 = 9$

END