

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END-OF-YEAR EXAMINATION 2019 PRIMARY 4 MATHEMATICS

(BOOKLET A)

### Total Time

Sections A to C: 1 hour 45 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 4. \_\_\_\_\_

Date: 24 October 2019

This booklet consists of 8 printed pages including this page



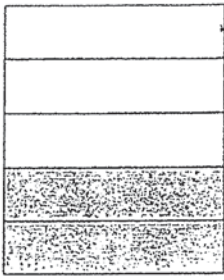
**Section A: MCQ (36 marks)**

Questions 1 to 18 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.

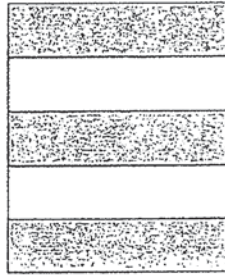
1. In the number 42 130, which digit is in the **thousands** place?  
  
(1) 1  
(2) 2  
(3) 3  
(4) 4
  
2. Which of the following numbers when rounded to the nearest hundred becomes 54 600?  
  
(1) 54 544  
(2) 54 547  
(3) 54 557  
(4) 54 660
  
3. In which of the following numbers does the digit 6 stand for 6 tenths?  
  
(1) 12.06  
(2) 15.67  
(3) 36.21  
(4) 60.34

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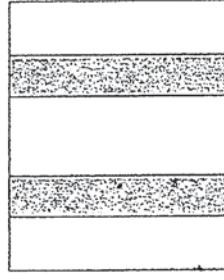
4. Which one of the following has  $\frac{2}{5}$  of the figure shaded?



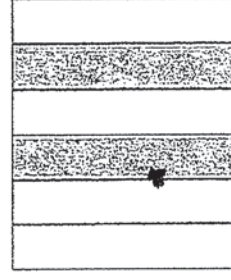
(1)



(2)



(3)



(4)

5. Write  $2\frac{7}{25}$  as a decimal.

- (1) 2.25
- (2) 2.28
- (3) 2.7
- (4) 2.725

6. What is the number when 721.54 is rounded to 1 decimal place?

- (1) 722.0
- (2) 721.6
- (3) 721.5
- (4) 721.0

7. Express  $\frac{13}{8}$  as a mixed number.

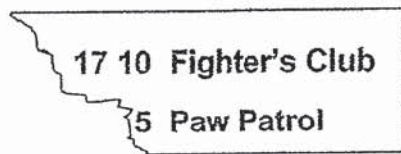
- (1)  $1\frac{3}{8}$
- (2)  $1\frac{5}{8}$
- (3)  $1\frac{5}{13}$
- (4)  $1\frac{8}{13}$

(Go on to the next page)

8. John wrote a whole number on a piece of paper.  
The number is a multiple of 4 and a factor of 16.  
It is **greater than 4** and **smaller than 20**.  
What is this number?
- (1) 8
  - (2) 10
  - (3) 12
  - (4) 18
9. The mass of a box of chocolate is 280g.  
What is the total mass of 24 identical boxes of chocolates?
- (1) 1 680
  - (2) 5 420
  - (3) 6 520
  - (4) 6 720
10. The sum of two numbers is 27.06.  
The greater number is twice the smaller number.  
What is the greater number?
- (1) 9.02
  - (2) 13.53
  - (3) 18.04
  - (4) 18.4

(Go on to the next page)

11. Find the difference between 17.09 and 42.3.
- (1) 35.39
  - (2) 25.39
  - (3) 25.21
  - (4) 24.4
12. Below is a portion of a TV programme torn from a magazine.

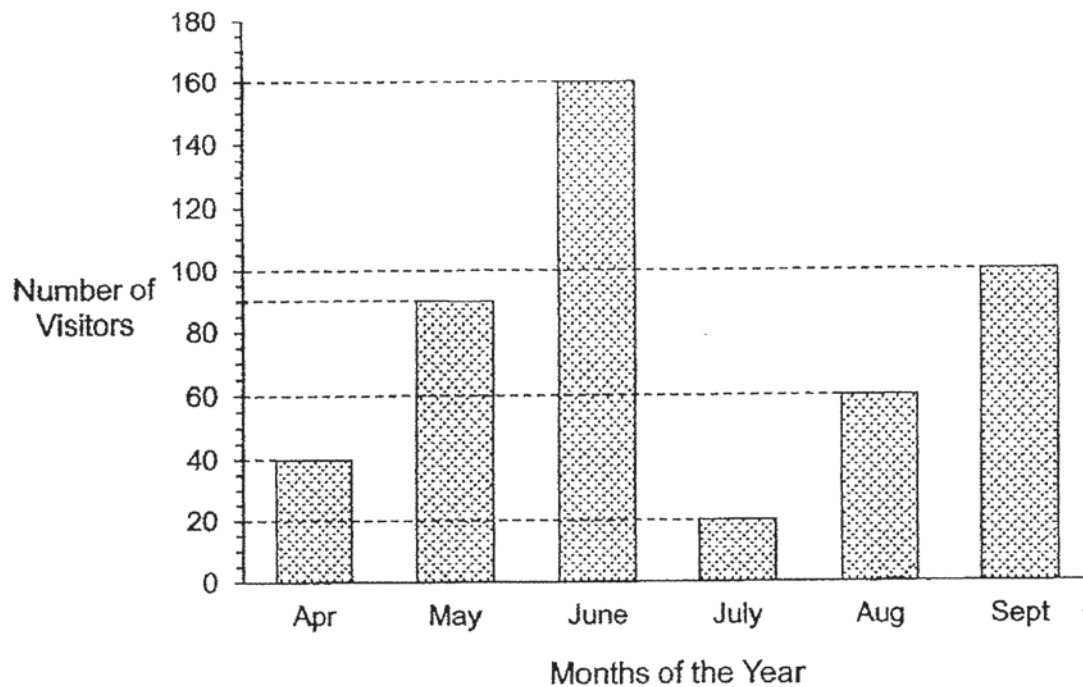


Fighter's Club lasted 1 h 55 min. What time did Paw Patrol start?

- (1) 19 05
- (2) 18 55
- (3) 18 05
- (4) 15 15

(Go on to the next page)

The graph below shows the number of visitors to Ostrich Farm.  
Use the information and answer questions 13 and 14.



13. Which month has three times the number of visitors in July?
- (1) May
  - (2) April
  - (3) August
  - (4) September
14. Which two-month interval has the greatest **increase** in the number of visitors?
- (1) May to June
  - (2) June to July
  - (3) July to August
  - (4) August to September

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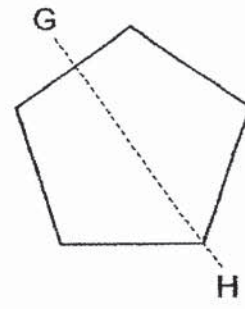
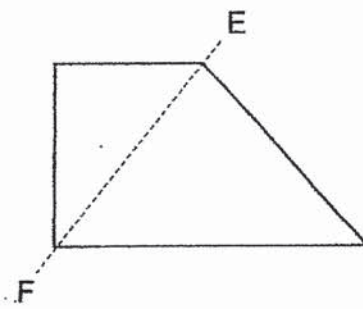
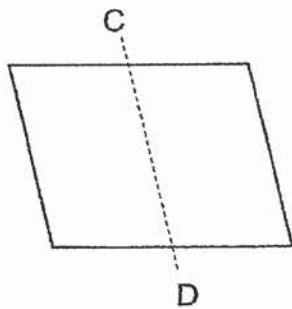
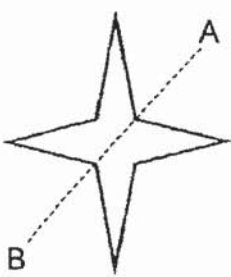
15. The difference in length between 2 strings is  $\frac{1}{5}$  m.

The shorter string is  $\frac{2}{3}$  m.

What is the length of the longer string?

- (1)  $\frac{3}{8}$  m
- (2)  $\frac{7}{15}$  m
- (3)  $\frac{9}{15}$  m
- (4)  $\frac{13}{15}$  m

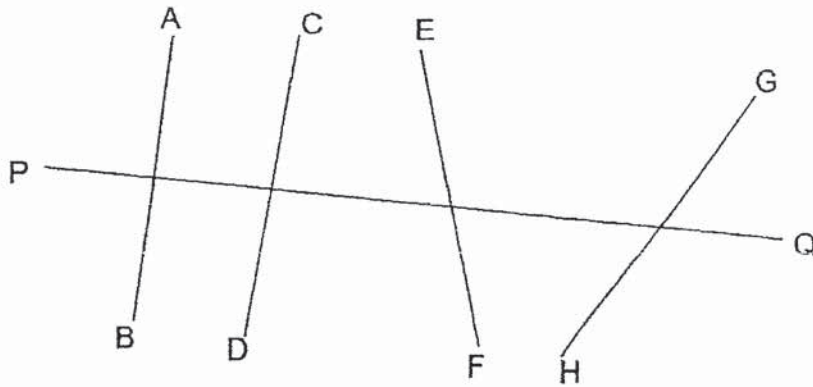
16. Which one of the following lines is a line of symmetry to its figure?



- (1) AB
- (2) CD
- (3) EF
- (4) GH

(Go on to the next page)

17. Which one of the following pairs of lines is perpendicular to each other?



- (1)  $AB \perp PQ$
  - (2)  $AB \perp CD$
  - (3)  $EF \perp PQ$
  - (4)  $GH \perp CD$
18. Siti started jogging around the stadium at 17 10.  
Mary started jogging 15 minutes earlier than Siti.  
They both stopped jogging at 18 45. How long did Mary jog?

- (1) 3 h 25 min
- (2) 1 h 50 min
- (3) 1 h 35 min
- (4) 1 h 20 min

**End of Booklet A**

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END-OF-YEAR EXAMINATION 2019 PRIMARY 4 MATHEMATICS BOOKLET B

Total Time: 1 h 45 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 4. \_\_\_\_\_

Date: 24 October 2019

|                    |     |
|--------------------|-----|
| BOOKLET A          | 36  |
| BOOKLET B          | 36  |
| BOOKLET C          | 28  |
| TOTAL              | 100 |
| Parent's signature |     |

This booklet consists of 8 printed pages including this page.

**Section B: (36 marks)**

Questions 19 to 36 carry 2 marks each.

Write out the correct answers for the following questions in the space provided.

Show your working clearly and give your answers in the units provided.

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

3 759, 3 809, 3 859, \_\_\_\_\_, 3 959

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

20. Two factors of 27 are 1 and 27.

What are the other two factors of 27?

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

21. What is the remainder when 2 014 is divided by 7?

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

22. Which two of the fractions below are greater than  $\frac{1}{2}$ ?

$\frac{3}{7}$  ,  $\frac{4}{8}$  ,  $\frac{5}{9}$  ,  $\frac{6}{11}$

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

(Go on to the next page)

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

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

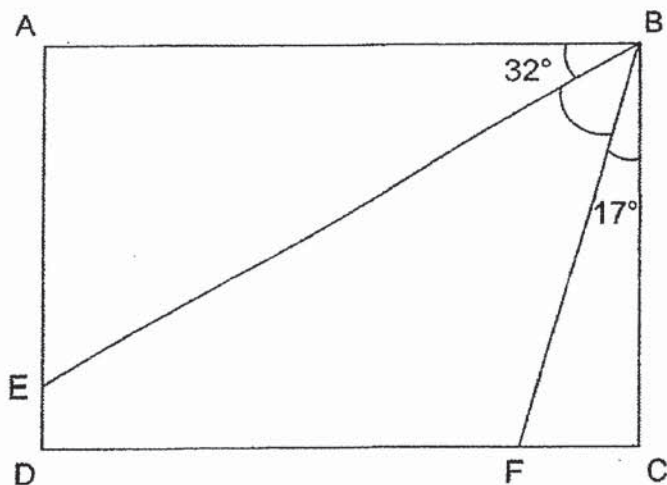
24.  $8.4 - 0.93 =$  \_\_\_\_\_

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

25.  $6.08 \times 7 =$  \_\_\_\_\_

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

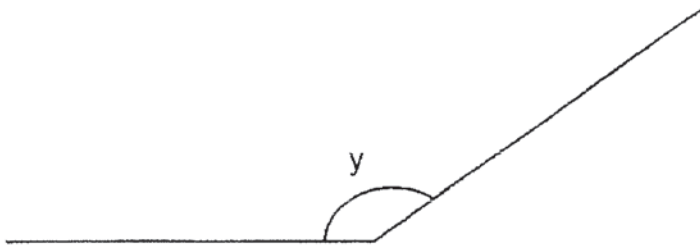
26. In the figure shown, ABCD is a rectangle. Find  $\angle EBF$ .



Ans : \_\_\_\_\_°

(Go on to the next page)

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



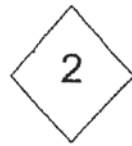
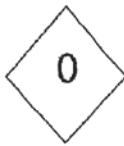
Ans : \_\_\_\_\_°

28. Read the clues and use the digits below to form the **smallest possible 4-digit** odd number.

The digit in the tens place is twice the digit in the ones place.

The digit in the hundreds place is 1 less than the digit in the ones place.

Each digit can be used **only once**.



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

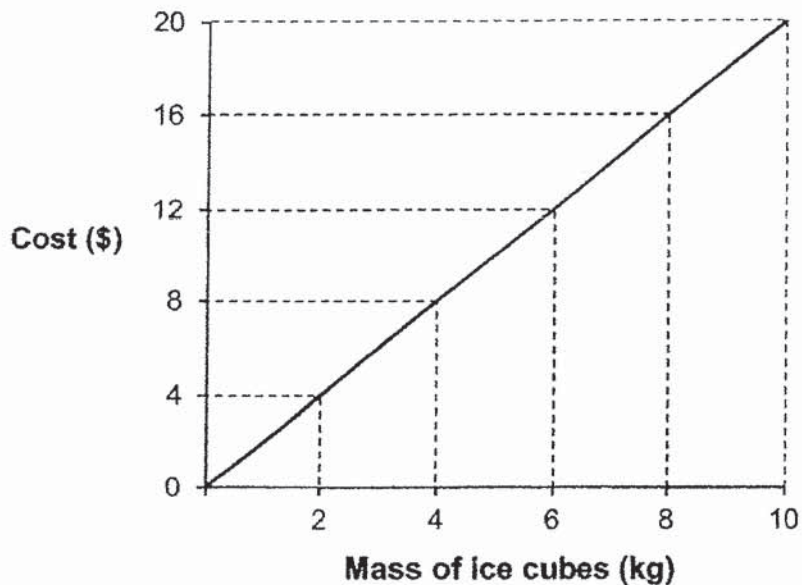
29. There are 36 girls in the class.  $\frac{4}{9}$  of them wear spectacles.

How many girls in the class **do not** wear spectacles?

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

(Go on to the next page)

Study the graph carefully and answer questions 30 and 31.  
The graph below shows the cost of ice cubes per kilogram.



30. Sarah paid \$12 for ice cubes while Cindy paid \$20. How many more kilograms of ice did Cindy pay for?

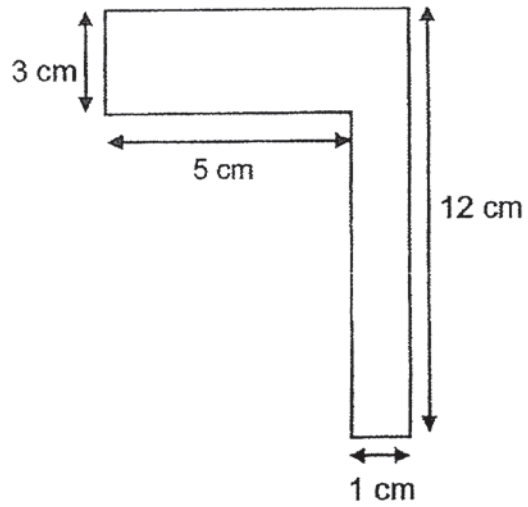
Ans : \_\_\_\_\_ kg

31. Mr Lim bought 8 kg of ice and paid with a \$50 note. How much change did he receive?

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

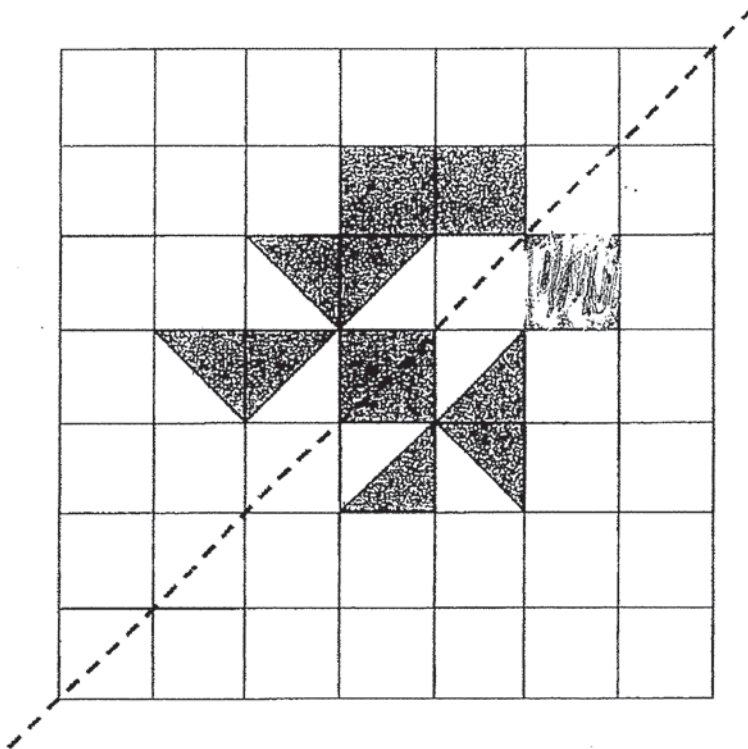
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32. In the figure, all the lines meet at right angles.  
Find the area of the figure.



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

33. **Complete** the symmetrical figure below by **shading 1 triangle and 1 square** to make it symmetrical with the dotted line as the line of symmetry.

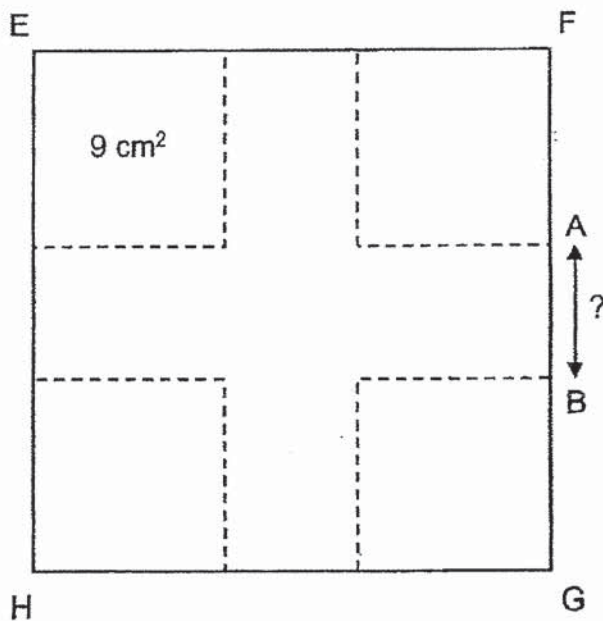


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34. A train took 5 h 35 min to travel from Town A to Town B.  
It reached Town B at 04 15.  
What time did the train leave Town A? (Give your answer using the 24-hour clock)

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

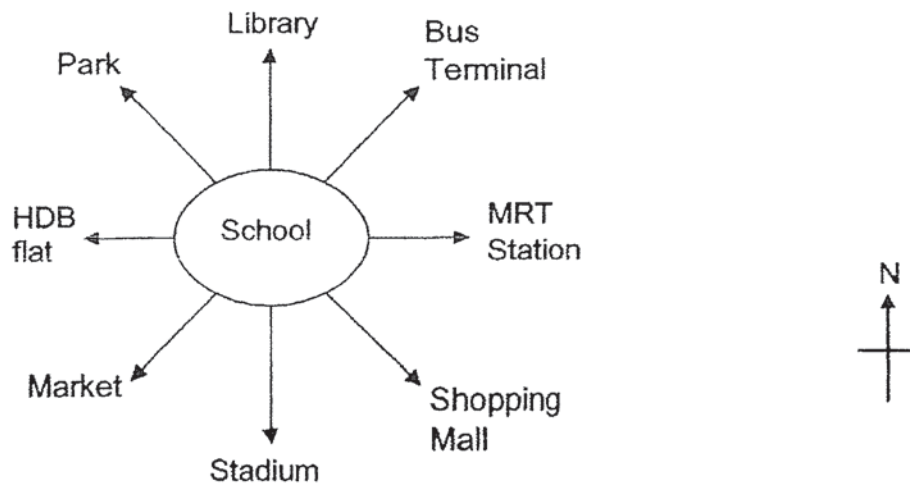
35. The area of square EFGH is  $64 \text{ cm}^2$ . John cuts away 4 identical small squares from its corners. The area of each small square is  $9 \text{ cm}^2$ . What is the length of AB?



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

(Go on to the next page)

36. Use the information below to answer questions 36a and 36b.



- (a) Alice came out of her school. She made a  $\frac{1}{4}$ -turn to her right to face the bus terminal. In which direction was she facing at the beginning?

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

- (b) Gopal came out of his school facing the MRT station. He changed his mind and decided to take the bus instead.  
What was the angle he had to turn **anti-clockwise** in order to go to the bus terminal?

Ans : \_\_\_\_\_°

**End of Booklet B**

# METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



## END-OF-YEAR EXAMINATION 2019 PRIMARY 4 MATHEMATICS

(BOOKLET C)

### Total Time

Sections A to C: 1 hour 45 minutes

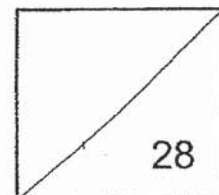
### INSTRUCTIONS TO CANDIDATES

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

Name: \_\_\_\_\_ (    )

Class: Primary 4. \_\_\_\_\_

Date: 24 October 2019



This booklet consists of 9 printed pages including this page.

**Section C: (28 marks)**

Show your working clearly in the space provided for each question and write your answers in the space provided.

The number of marks available is shown in brackets [ ] at the end of each question or part-question.

37. A teapot has a mass of  $\frac{5}{12}$  kg. A teacup has a mass of  $\frac{1}{6}$  kg.

The total mass of a tray with the teapot and teacup is 2 kg.

(a) What is the total mass of the teapot and teacup?

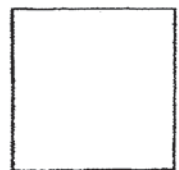


(b) What is the mass of the tray?

Do not write  
anything in this  
margin.

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

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



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38. There are some red and green apples in a basket.

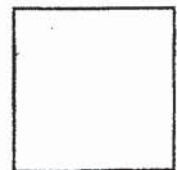
$\frac{2}{7}$  of the apples are green.

The difference between the number of green and red apples is 243.

How many apples are there in the basket?

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anything in this  
margin.

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



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39. The total amount of water in Jugs A, B, C and D was 13.4l.  
Jug A was filled with 1.5l more water than Jug B.  
Jug B and C had the same amount of water.  
Jug C had twice as much water as Jug D.  
How much water was there in Jug D?

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anything in this  
margin.

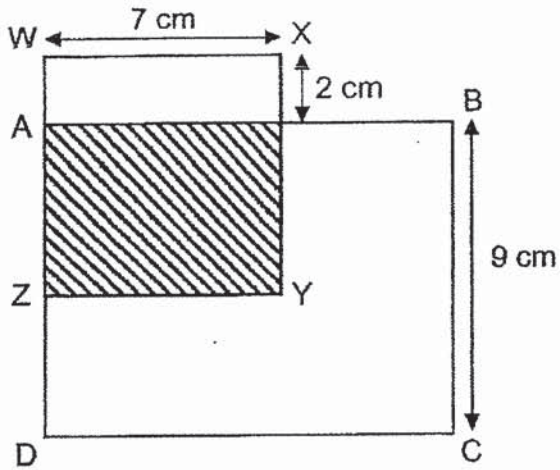
Ans : \_\_\_\_\_ [3]



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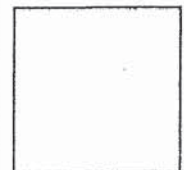
40. The figure below shows square WXYZ overlapping rectangle ABCD. The area of rectangle ABCD is  $108 \text{ cm}^2$ .

- (a) What is the length of AB?  
 (b) What is the area of the shaded part?



Do not write  
anything in this  
margin.

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



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41. The table below shows the different pricing at ABC Cinema.

| Item                                                                                                                                             | Cost    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Ultimate Movie Package</b> <ul style="list-style-type: none"><li>• movie ticket</li><li>• 1 cup of drink</li><li>• 1 box of popcorn</li></ul> | \$12.80 |
| Price of 1 ticket                                                                                                                                | \$ 9.50 |

Mr Tan went to watch the movie with his 3 children. He bought 1 ultimate movie package and 3 tickets. How much did Mr Tan pay altogether?

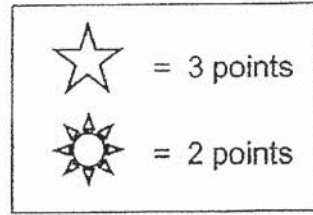
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Ans : \_\_\_\_\_ [4]



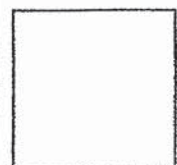
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42. Raju threw some darts.  
For every star he hit, he scored 3 points.  
For every sun he hit, he scored 2 points.  
He had 30 hits and scored 72 points.  
How many stars did he hit?



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anything in this  
margin

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

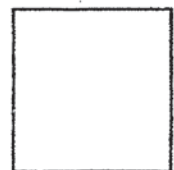


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43. Judy has 4 bags and 5 containers.  
Each container can hold 6 more marbles than a bag.  
Judy has a total of 165 marbles.  
How many marbles are there in each bag?

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anything in this  
margin.

Ans : \_\_\_\_\_ [4]



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44. Box A had 5 times as many sweets as Box B at first.  
Meili took some sweets from Box A and put them into box B so that both boxes would have equal number of sweets.  
Box B had 270 sweets in the end.

- (a) How many sweets were there in Box B at first?  
(b) How many sweets did Meili take from Box A to put into Box B?

Do not write  
anything in this  
margin.

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

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



**End of Booklet C**



# ANSWER KEY

YEAR : 2019  
 LEVEL : PRIMARY 4  
 SCHOOL : METHODIST GIRLS' SCHOOL  
 SUBJECT : MATHEMATICS  
 TERM : END-OF-YEAR EXAMINATIONS

## BOKLET A

| Q1  | Q2  | Q3  | Q4  | Q5  | Q6  | Q7  | Q8  | Q9 | Q10 |
|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|
| 2   | 3   | 2   | 1   | 2   | 3   | 2   | 1   | 4  | 3   |
| Q11 | Q12 | Q13 | Q14 | Q15 | Q16 | Q17 | Q18 |    |     |
| 3   | 1   | 3   | 1   | 4   | 4   | 1   | 2   |    |     |

## BOOKLET B

Q19. 3909

Q20. 3 and 9

Q21. 5

Q22.  $\frac{5}{9}$  and  $\frac{6}{11}$

Q23.  $\frac{5}{8}$

Q24. 7.47

Q25. 42.56

Q26.  $41^\circ$

Q27.  $144^\circ$

Q28. 3021

Q29. 20 girls

Q30. 4kg

Q31. \$34

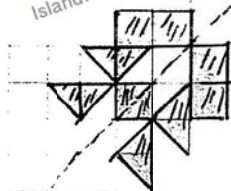
Q32.  $27 \text{ cm}^2$

Q33.

Q34. 2240

Q35. 2cm

Q36. (a) Park  
 (b)  $45^\circ$



BOOKLET C

Q37. (a)  $\frac{7}{12}$ kg

(b)  $1\frac{5}{12}$ kg

Q38. 567 apples

Q39. 1.7ℓ

Q40. (a) 12cm

(b) 35 cm<sup>2</sup>

Q41. \$41.30

Q42. 12 stars

Q43. 15 marbles

Q44. (a) 90 sweets

(b) 180 sweets .



2

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