## METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



#### PRELIMINARY EXAMINATION 2024 PRIMARY 6 MATHEMATICS

#### PAPER 1 BOOKLET A

Total Time for Booklets A and B: 1 hour

#### **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.

The use of calculators is **NOT** allowed.

| Name:  | u .            | _( | ) |
|--------|----------------|----|---|
| Class: | Primary 6      |    |   |
| Date · | 19 August 2024 |    |   |

This booklet consists of <u>7</u> printed pages including this page.

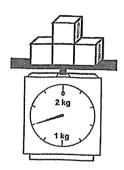
Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

- 1 50 000 + 6000 + 300 + 7 = \_\_\_\_\_
  - (1) 56 370
  - (2) 56 307
  - (3) 56 037
  - (4) 50 637
- 2 Round 6.745 to the nearest hundredths.
  - (1) 6.70
  - (2) 6.74
  - (3) 6.75
  - (4) 6.80
- 3 Which of the following fractions is greater than  $\frac{1}{3}$ ?
  - (1)  $\frac{7}{27}$
  - (2)  $\frac{8}{21}$
  - (3)  $\frac{5}{18}$
  - (4)  $\frac{4}{15}$

4 Arrange the following from the lightest to the heaviest.

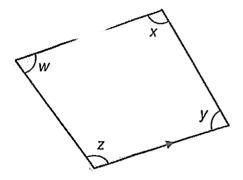
|     | 6 kg 500 g        | 6 <mark>1</mark> kg | 6.05 kg    |
|-----|-------------------|---------------------|------------|
|     | <u>Lightest</u>   |                     | Heaviest   |
| (1) | $6\frac{1}{5}$ kg | 6.05 kg             | 6 kg 500 g |
| (2) | 6.05 kg           | 6 kg 500 g          | 6          |
| (3) | 6.05 kg           | $6\frac{1}{5}$ kg   | 6 kg 500 g |
| (4) | 6 kg 500 g        | 6.05 kg             | 6          |

The weighing scale shows the mass of 4 identical wooden blocks. What is the mass of 1 block?



- (1) 175 g
- (2) 300 g
- (3) 350 g
- (4) 675 g

The figure below is a trapezium.



Which of the following statements is true?

- $(1) \qquad \angle X = \angle Y$
- $(2) \qquad \angle W = \angle Y$
- $(3) \qquad \angle W + \angle Z = 180^{\circ}$
- $(4) \qquad \angle W + \angle X = 180^{\circ}$

7 The button 7 on a scientific calculator is not working.Which of the following should Mina key in to find the value of 37 × 18?

- (1)  $36 + 1 \times 18$
- (2)  $36 \times 18 + 18$
- (3)  $38 \times 18 1$
- (4)  $40 \times 18 18$

Rahul bought an apple and a dozen of oranges for \$20*y*. Each orange cost \$3. Find the cost of an apple.

- (1) \$20*y*
- (2) \$(20y-3)
- (3) \$60*y*
- (4) \$(20y 36)

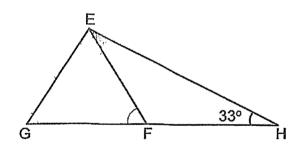
In the television guide shown, one programme leads to another without any break in between.

| Start Time | Programme   |
|------------|-------------|
| 8.30 a.m.  | News        |
| 9.00 a.m.  | Football    |
| 10.40 a.m. | Local Drama |
| 11.25 a.m. | Music       |

How much longer is the Football programme than the Local Drama programme?

- (1) 45 minutes
- (2) 55 minutes
- (3) 1 hour 35 minutes
- (4) 1 hour 40 minutes

10 EFG is an equilateral triangle. GFH is a straight line.



Find ∠HEF.

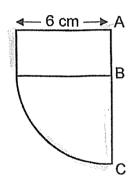
- (1) 27°
- (2) 33°
- (3) 60°
- (4) 87°

- Machine A prints 5 pages in a minute. Machine B prints 3 times as fast as Machine A. Both machines start printing at the same time.

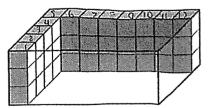
  How long will it take both machines to print a total of 120 pages?
  - (1) 6 minutes
  - (2) 8 minutes
  - (3) 12 minutes
  - (4) 24 minutes
- The figure is made up of a quadrant and a rectangle

  The ratio of the length of AB to the length of AC is 1 : 3.

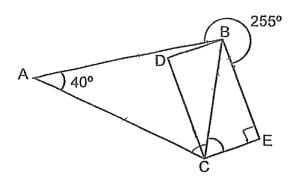
  Find the perimeter of the figure in terms of  $\pi$ .



- (1)  $(3 \pi + 12)$  cm
- (2)  $(3 \pi + 18)$  cm
- (3)  $(12 \pi + 12)$  cm
- (4)  $(12 \pi + 18)$  cm
- A rectangular container is partially filled with 1-cm cubes as shown. How many more cubes are needed to fill the container completely?
  - (1) 56
  - (2) 64
  - (3) 84
  - (4) 86



ABC is an isosceles triangle where AB = AC. CDBE is a rectangle.



Find ∠BCE.

- (1) 35°
- (2) 45°
- (3) 55°
- (4) 70°
- Some children took part in a swimming competition.  $\frac{1}{3}$  of the boys and  $\frac{1}{5}$  of the girls were prize winners. There were 45 prize winners and  $\frac{4}{9}$  of them were girls. How many children took part in the swimming competition?
  - (1) 75
  - (2) 100
  - (3) 130
  - (4) 175

## METHODIST GIRLS' SCHOOL (PRIMARY)

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# PRELIMINARY EXAMINATION 2024 PRIMARY 6 MATHEMATICS

#### PAPER 1 BOOKLET B

Total Time for Booklets A and B: 1 hour

#### **INSTRUCTIONS TO CANDIDATES**

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

Answer all questions.

Write your answers in this booklet.

The use of calculators is **NOT** allowed.

| Name:  | parameter and the second secon | ( | ) |    |
|--------|--|---|---|----|
| Class: | Primary 6  |   |   |    |
| Date:  | 19 August 2024   |   |   | 25 |

Parent's Signature:

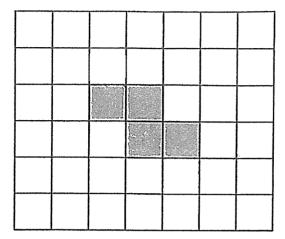
This booklet consists of 9 printed pages including this page.

| Question | ons <b>16 to 20</b> carry 1 mark each. Write your answers in the spaces ed. For questions which require units, give your answers in the units stated.  (5 marks) | Do not write in this space |
|----------|--|----------------------------|
| 16       | Find the value of 8.09 × 7.  |                            |
|          | Ans:   |                            |
| 17       | Express 6 ÷ 7 as a decimal correct to 2 decimal places.  |                            |
|          |  |                            |
|          | Ans:   |                            |
| 18       | Find the value of $\frac{2}{5} \div 4$ .<br>Express your answer as a fraction in its simplest form.  |                            |
|          |  |                            |
|          | Ans:   |                            |

|    | ns <b>16</b> to <b>20</b> carry 1 mark each. Write your answers in the spaces d. For questions which require units, give your answers in the units stated.  (5 marks) | Do not write in this space |
|----|---|----------------------------|
| 16 | Find the value of 8.09 × 7.   |                            |
|    | Ans:  |                            |
| 17 | Express 6 ÷ 7 as a decimal correct to 2 decimal places.   |                            |
|    |   |                            |
|    | Ans:  |                            |
| 18 | Find the value of $\frac{2}{5} \div 4$ .<br>Express your answer as a fraction in its simplest form.   |                            |
|    |   |                            |
|    | Ans:  |                            |

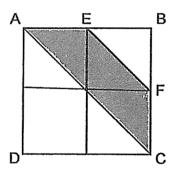
| 19 | In the square grid below, shade $\underline{2}$ more squares to form the net |
|----|--|
|    | of a cube.   |

Do not write in this space



|  | <br> |  |
|--|------|--|
|  |      |  |
|  |      |  |
|  |      |  |
|  |      |  |

ABCD is a square. E is the mid-point of AB. F is the mid-point of BC. What fraction of the figure is shaded?



| Ans: |  |
|------|--|
|      |  |

| ans | Questions 21 to 30 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) |  |
|-----|---|--|
| 21  | (a) Find the value of $5p - \frac{1}{3}$ when $p = 4$   |  |
|     | Ans: (a) <b>(b)</b> Simplify the expression 9w+10-7w+3  |  |
|     | Ans: (b)  |  |
| 22  | At a bookshop, correction tapes are sold in packs of 2 or 5.  Jane needs to buy 9 correction tapes. What is the least amount of money she needs to pay?  2 for \$1.80  5 for \$4.20                   |  |

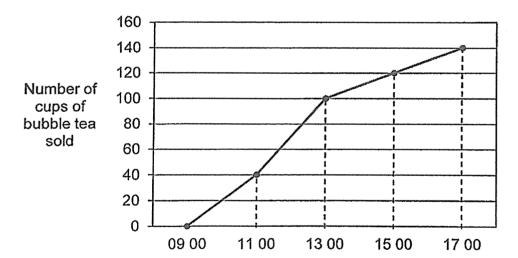
Ans: \$

| 23 | Raj had enough money to buy exactly 20 pens. During a sale, the price |
|----|---|
|    | of each pen was reduced by \$0.15. With the money he saved from the   |
|    | discount, he was able to buy 4 more pens and had \$0.20 left.         |
|    | What was the price of each pen during the sale?                       |

Do not write in this space

Ans: \$

The line graph shows the number of cups of bubble tea sold in a shop on Friday from 09 00 to 17 00.



What was the average number of cups of bubble tea sold per hour from 11 00 to 15 00?

Ans:

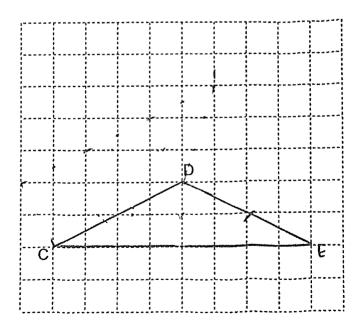
| 25 | John bought some plants at an average price of \$7. After buying another |
|----|--|
|    | plant at \$21, the average price became \$9. Find the total number of    |
|    | plants John bought.  |

Do not write in this space

| Ans: |  |
|------|--|
|      |  |

- The square grid shows line CD.
  - (a) Using the line CD, draw an isosceles triangle CDE, such that CD = DE.
  - (b) Using the line CD, draw a trapezium ABCD, such that CD is parallel to BA. The trapezium should not overlap the isosceles triangle.

Use a pencil to draw your diagrams and label them clearly.

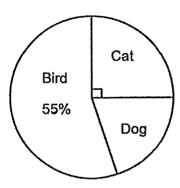




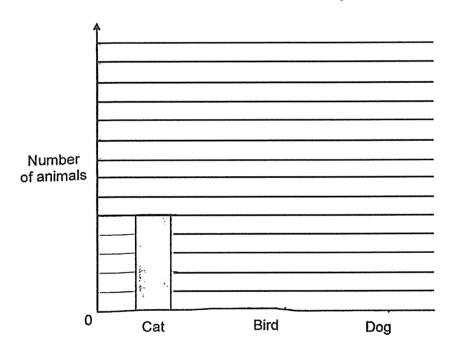
| A group of students is divided equally into two teams, A and B The ratio of the number of boys to the number of girls in Team A The ratio of the number of boys to the number of girls in Team B What is the ratio of the total number of boys to the total number of in the group?  Ans: | is 5 : 11. |
|---|------------|
| The figure is made up of 4 identical rectangles and a square. The length of the rectangle is three times its breadth. The area of the square is 64 cm². Find the area of one rectangle.  Ans:   |            |

The pie chart represents the number of each type of animals at a pet store.

Do not write in this space



The number of animals is also represented by the bar graph below. The bars for the number of birds and dogs have not been drawn. Draw the bars to show the number of birds and dogs in the graph below.



The table below shows the number of each type of books in a class library. There were 40 students in the class. Each student borrowed either 3 or 5 books home to read. No books were left in the class library. How many students borrowed 5 books?

Do not write in this space

| Types of books | Number of books borrowed |
|----------------|--------------------------|
| Horror         | 35                       |
| Scientific     | 32                       |
| Comic          | 30                       |
| Art and Craft  | 20                       |
| Mystery        | 25                       |

| _    |   |          |
|------|---|----------|
| Ans: |   |          |
|      | 1 | <u> </u> |

**END OF PAPER** 

### METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887



# PRELIMINARY EXAMINATION 2024 PRIMARY 6 MATHEMATICS

#### PAPER 2

Duration: 1h 30 min

#### **INSTRUCTIONS TO CANDIDATES**

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

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

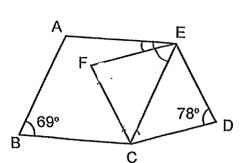
The use of an approved calculator is expected, where appropriate.

| Name:( )                                 | Paper 1<br>Booklet A | / 20  |
|--|----------------------|-------|
| Class: Primary 6<br>Date: 19 August 2024 | Paper 1<br>Booklet B | / 25  |
| pato. 10 / tagaot 202 t                  | Paper 2              | / 55  |
| Parent's Signature:                      | TOTAL                | / 100 |

This booklet consists of 19 printed pages including this page.

| Questions 1 to 5 carr<br>answers in the space<br>answers in the units | Do not write in this space   |                                     |                                |  |
|---|--|-------------------------------------|--------------------------------|--|
| 1 The figure s  | hows 3 counters, A, B  | and C, placed in                    | a square grid.                 |  |
|   |  | ©                                   |                                |  |
|   |  | <b>B</b>                            | N N                            |  |
|   | (A)  |                                     | 1                              |  |
|   |  |                                     |                                |  |
| North-w   | aces Counter X such the sest of B. Mark the posing X in the correct square.                                  | ition of Counter X                  |                                |  |
| moved i<br>landed o   | ced Counter Y on one<br>t 2 squares North and<br>on the same square as<br>of Counter Y in the gri<br>square. | then 2 squares E<br>Counter C. Mark | ast so that it<br>the original |  |
| How many ye   | years old. He is now 3<br>ars old will Mr Lim be v<br>wer in terms of <i>n</i> .                             |                                     |                                |  |
|   |  |                                     |                                |  |
|   | Ans  | ;                                   |                                |  |

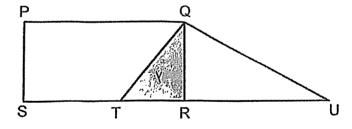
3 In the figure, ABCE and CDEF are rhombuses. Find ∠AEF.



Do not write in this space

| Ans: |  |
|------|--|
|      |  |

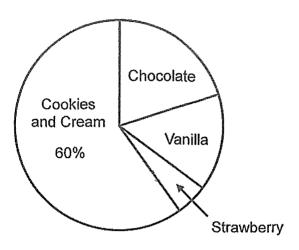
4  $\frac{1}{6}$  of rectangle PQRS and  $\frac{2}{5}$  of triangle QTU is shaded. What percentage of the figure is shaded?



| Ans: | % |
|------|---|
|      |   |

The pie chart below shows the favourite ice-cream flavours of 380 pupils from a survey.

Do not write in this space



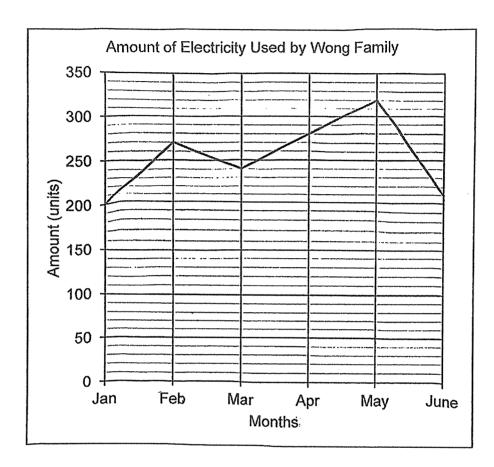
The number of pupils who like Strawberry is  $\frac{1}{3}$  of the number of pupils who like Vanilla. The number of pupils who like Chocolate is the same as the total number of pupils who like Strawberry and Vanilla. How many pupils like Vanilla ice-cream?

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

| the space | es provided. | 17, show your work<br>The number of mar<br>lestion or part-quest | ks avail |                     |                             | Do not write in this space |
|-----------|--------------|--|----------|---------------------|-----------------------------|----------------------------|
| 6         | The digram   | below shows the ne   | t of a c | uboid with a square | e base.                     |                            |
|           |              | <b>4</b>   | 4        | 8 cm                |                             |                            |
|           | 04           |  |          |                     | ()<br>!<br>!<br>!<br>!<br>! |                            |
|           | 21 cm        |  |          |                     |                             |                            |
|           | ¥            |  |          |                     |                             |                            |
|           | (a) What is  | the height of the cu   | boid?    |                     |                             |                            |
|           |              |  |          |                     |                             |                            |
|           |              |  | Ans:     |                     | [1]                         |                            |
|           | (b) What is  | the volume of the c  | uboid?   |                     |                             |                            |
|           |              |  |          |                     |                             |                            |
|           |              |  |          |                     |                             |                            |
|           |              |  |          |                     |                             |                            |
|           |              |  |          |                     |                             |                            |

7 The line graph shows the amount of electricity used by the Wong family from January to June.

Do not write in this space



(a) Find the percentage decrease in the amount of electricity used from February to March.

Ans: \_\_\_\_\_ [1]

| (b) | In which month was the amount of electricity used $\frac{3}{4}$ that of the amount of electricity used in April?   | Do not write in this space |
|-----|--|----------------------------|
| (c) | Ans: [1]  The Wong family had to pay 9% GST on top of charges for electricity used. Electricity is charged at \$0.15 per unit.  How much did they pay for the electricity used in May? |                            |
|     | Ans: [2]   |                            |

| 8 | ma  | ron, Benny and Charlie had some marbles. Aaron gave $\frac{2}{5}$ of his arbles to Benny and $\frac{1}{4}$ of the remainder to Charlie. In the end, all of them had the same number of marbles left. | Do not write in this space |
|---|-----|--|----------------------------|
|   | (a) | What fraction of his marbles did Aaron have left?  |                            |
|   |     |  |                            |
|   |     | Ans: (a) [1]   |                            |
|   | (b) | What was the ratio of the number of marbles Aaron had to the number of marbles Benny had to the number of marbles Charlie had at first?  |                            |
|   |     |  |                            |
|   |     |  |                            |
|   |     |  |                            |
|   |     |  |                            |
|   |     |  |                            |
|   |     | Ans: (b) [2]   |                            |

| 9 | A box of greeting cards was shared equally among 35 pupils. 7 of them gave all their cards to the rest of the pupils. As a result, the rest of the pupils received 3 more cards each. How many cards were there in the box at first? | Do not write in this space |
|---|--|----------------------------|
|   | Ans:[3]  |                            |

Mr Ahmad left his home at 9.15 a.m. to travel to Town B, 261 km away. Do not write 10 He drove for 90 km at an average speed of 75 km/h. He then stopped in this space for a 20-minute meal break, before continuing his journey to Town B. He reached Town B at 12.35 p.m. What was his average speed for the journey after his meal break?

| In the | e figure, AG // BE and AC // GD.  G F 80° D C                               |     | Do not write in this space |
|--------|---|-----|----------------------------|
| (a) N  | Name an angle that is equal to ∠EFD.  |     |                            |
|        | Ans:  | [1] |                            |
| (b) F  | Find ∠GBA.  |     |                            |
|        |   |     |                            |
|        |   |     |                            |
|        |   |     |                            |
|        | Ans:  | [2] |                            |
| (c) (  | Circle the words that describe BCDG in the statement below.                 | [1] |                            |
| 1      | ee ∠CBG ( is / is not ) equal to ∠CDG, BCDG is a rallelogram / trapezium ). |     |                            |
|        |   |     |                            |
|        |   |     |                            |

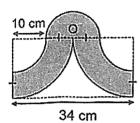
| 12 | Xinli and Mark want to save \$164 to buy a gift. Xinli started saving earlier and she saves \$3 each day. When Xinli has saved for 20 Mark would have saved \$20. When Xinli has saved for 26 days, would have saved \$44. Mark saves a same amount each day. | days, | Do not write in this space |
|----|---|-------|----------------------------|
|    | (a) How much does Mark save each day?   |       |                            |
|    | Ans: (a)  | _ [2] |                            |
|    | (b) How many days would Xinli need to save so that they have exactly \$164 to buy the gift?   |       |                            |
|    | Ans: (b)  | _ [2] |                            |

|     | o X sells a dress at \$450. Shop Y sells the same dress at 80% of price at Shop X.   | Do not write in this space |
|-----|--|----------------------------|
| (a) | What is the price of the dress in Shop Y?  |                            |
|     | Ans: (a) [1]   |                            |
| (b) | During the Great Singapore Sale, Shops X and Y offered the same percentage discount on the dress. Shumei bought the dress in Shop Y and paid \$82.80 less than the discounted price in Shop X. What was the percentage discount offered? |                            |
|     | Ans: (b) [3]   |                            |

The diagram below is made up of 1 semicircle, 2 identical small quadrants and 2 identical big quadrants. O is the centre of the semicircle. The radius of the small quadrant is 10 cm.

Do not write in this space

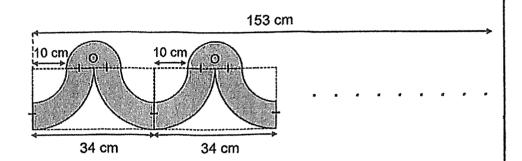
(a) Find the area of the shaded figure. (Take  $\pi = 3.14$ )



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

(b) The shaded figure is used to form a repeated pattern measuring 153 cm long to make a border design. What is the perimeter of the border design? (Take  $\pi = 3.14$ )

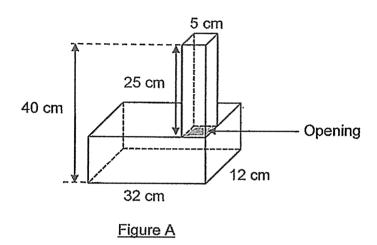
Do not write in this space



Ans: (b) \_\_\_\_\_ [3]

Figure A shows a 40-cm tall, sealed container that is made up of 2 cuboids. The top of the container is a cuboid which has a square base of side 5 cm and a height of 25 cm. The bottom is a cuboid with a rectangular base, measuring 32 cm by 12 cm. The container contains 5.755 \( \ext{L} \) of water which can flow freely between the 2 cuboids through the opening.

Do not write in this space



(a) How much more water could the container hold?

| Ans: (a) | [2] |  |  |
|----------|-----|--|--|
|----------|-----|--|--|

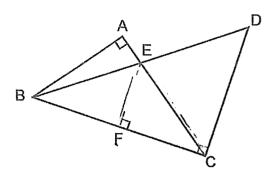
17 Do not write (b) The container was then turned to rest horizontally as shown in Figure B. Find the height of the water level in Figure B. in this space Figure B

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

[2]

In the figure below, ABC and BCD are right-angled triangles.
BC = 20 cm, EF = 9 cm and EC = 15 cm. The ratio of the length of CD to the length of BA is 5 : 4. What is the area of triangle BCD?

Do not write in this space



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

| 17 | Mr Leong used 3 wooden planks, A, B and C to build a shelf as shown below. The length of plank A is $\frac{5}{11}$ the length of plank B. The length of | Do not write in this space |
|----|---|----------------------------|
|    | plank C is $\frac{1}{2}$ the total length of planks A and B.  |                            |
|    | Width of shelf  A n cm A n cm B 136 cm C  |                            |
|    | (a) Find the value of <i>n</i> .  |                            |
|    |   |                            |
|    |   |                            |
|    | Ans: (a) [3]  |                            |
|    | (b) What is the width of the shelf?   |                            |
|    |   |                            |
|    |   |                            |
|    |   |                            |
|    | Ans: (h) [2]  |                            |

SCHOOL:

MGS PRIMARY SCHOOL

LEVEL

PRIMARY 6

SUBJECT:

MATH

TERM

2024 PRELIM

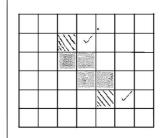
| Q1   | Q2  | Q3  | Q4  | Q5  | Q 6          | Q7 | Q8 | Q9 | Q10 |
|------|-----|-----|-----|-----|--------------|----|----|----|-----|
| 2    | A   | 2   | B   | 6   | <b>6</b> 3 1 | Ž  |    | 2  | 1   |
| Q1/1 | Q12 | Q13 | Q14 | Q15 | <b>GI</b>    |    | C  |    |     |
| 1    | 2   | 3   | 3   | 4   |              |    |    |    |     |

# Som the stranger. Com

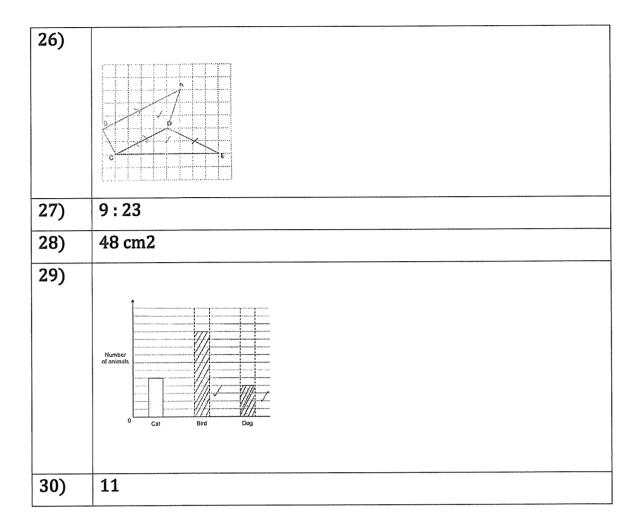
16) 56.63

| 17) | 0.86 |
|-----|------|
|     | l    |

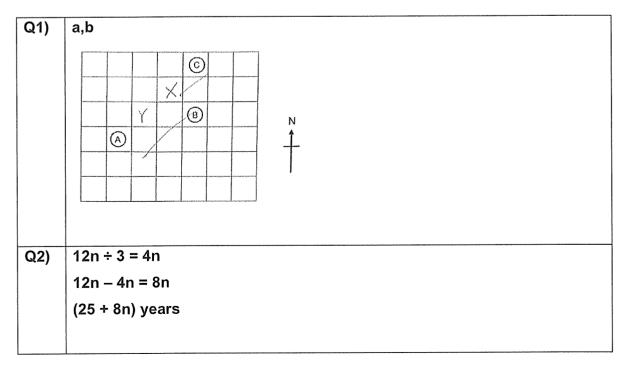
- 18) 1/10
- 19)



- 20) 3/8
- 21) a)  $19^{\frac{2}{3}}$ 
  - b)(2w+13)
- 22) \$7.80
- 23) \$0.70
- 24) 20
- 25) 7



#### PAPER 2



| Q3) | $(180 - 78) \div 2 = 5$                              |
|-----|--|
|     | 69 – 51 – 18   |
|     |  |
| 04) | 42 1 0/  |
| Q4) | 13 <sup>1</sup> / <sub>3</sub> %                     |
|     |  |
| Q5) | 100 - 60 = 40  |
|     | 40 ÷ 2 = 20  |
|     | 40 = 20  |
|     | 10 = 20 ÷ 4 = 5                                      |
|     | $30 = 5 \times 3 = 15$                               |
|     | 15% x 380 = 57                                       |
|     |  |
| Q6) | a)21 ÷ 3 = 7   |
| ,   | $48 - 7 \times 2 = 34$                               |
|     | 34 ÷ 2 = 17cm  |
|     | b)7 x 7 x 17 = 833 cm2                               |
| Q7) | a)270 - 240 = 30                                     |
| ,   | $\frac{30}{270^{1.3}} \times 100 = 11\frac{1}{9} \%$ |
|     | b)4u = 280   |
|     | 1u = 280 ÷ 4 = 70                                    |
|     | 3u = 270 x 3 = 210<br>Ans: June                      |
|     | Alia. Guile  |
|     | c)320 x 0.15 = 48                                    |
|     | 48 x 109% = \$52.32                                  |
| Q8) | a) $\frac{9}{20}$                                    |
|     |  |
|     | b)20 : 1 : 6   |
| Q9) | 35 – 7 = 28  |
|     | 28u + 8u = 35u<br>7u = 84                            |
|     | 1u = 84 ÷ 7 = 12                                     |
|     | $35u = 12 \times 35 = 420$                           |
|     |  |
|     |  |
|     |  |

```
Q10) D \rightarrow 261 - 90 = 171
        90 \div 75 = 1.2
        1.2h = 1h 12min
        10.27 am → 10.47 am (20min)
        10.47 am → 12.35 pm (1h 48min)
        1h 48min = 1\frac{4}{5} h
        171 \div 1\frac{4}{5} h = 95 \text{ km/h}
Q11)
       a)<GFB
        b) 180 - 80 - 47 = 53
           180 - 50 - 53 - 77^{\circ}
        c)not / trapezium
       a)26 - 20 = 6
Q12)
          6d \rightarrow 44 - 20 = 24
          1d \rightarrow 24 \div 6 = \$4
        b)164 - 45 = 119
           4 + 3 = 7
           119 \div 7 = 17
           17 + 15 = 32
Q13)
        a)80\% \times 450 = $360
        b)450 - 360 = 90
          \frac{82.8}{90} \times 100 = 92
        100 - 92 = 8\%
Q14) a)34 - 10 \times 2 = 14
          14 \div 2 = 7
          \frac{1}{2} \times 3.14 \times 7 \times 7 = 76.93
          10 \div 7 = 17
          \frac{1}{2} \times 3.14 \times 17 \times 17 = 453.73
          \frac{1}{2} x 3.14 x 10 x 10 = 157
          453.73 + 57 = 296.73
          296.73 + 76.93 = 373.66 cm<sup>2</sup>
        b)494.42 cm
Q15) a)40 - 25 = 15
           15 \times 32 \times 12 = 5760
           5755 L = 5755 ml
           5760 - 5755 = 5
           25 \times 5 \times 5 = 625
           625 + 5 = 630 ml
```

|       | b)25 x 5 x 5 = 625<br>5 x 12 x 15 = 900<br>900 + 625 = 1525<br>5755 - 1525 = 4230<br>4230 ÷ 12 ÷ 15 = 23.5<br>23.5 + 5 = 28.5 cm |
|-------|--|
| Q16)  | $\frac{1}{2} \times 20 \times 9 = 90$  |
|       | 90 ÷ 15 = 6  |
|       | $6 \times 2 = 12$  |
|       | 12 ÷ 4 = 3   |
|       | $3 \times 5 = 15$  |
|       | ½ x 20 x 15 = 150 cm2  |
| Q17)  | a)20 cm  |
| W(17) | a)29 cm  |
|       | b)302 cm   |

