



**Maha Bodhi School**  
**2020 Semestral Assessment 2**  
**Primary 4**  
**Mathematics**  
**Booklet A**

Name : \_\_\_\_\_ (      )

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

Date : 3 November 2020

Total Duration for Booklets A and B: 1 h 45 min

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**INSTRUCTIONS TO CANDIDATES:**

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Shade your answers in the Optical Answer Sheet (OAS) provided.

This booklet consists of 10 printed pages.



**Section A ( 40 marks )**

Questions 1 to 20 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.

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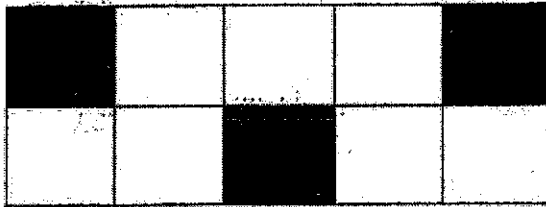
1. 22 thousands and 3 tens is the same as \_\_\_\_\_.

- (1) 223
- (2) 2230
- (3) 22 003
- (4) 22 030

2. 25 679 rounded to the nearest hundred is \_\_\_\_\_.

- (1) 25 600
- (2) 25 680
- (3) 25 700
- (4) 26 000

3. The figure shown is made up of identical squares. What fraction of the figure is shaded?



- (1)  $\frac{2}{5}$
- (2)  $\frac{3}{7}$
- (3)  $\frac{3}{10}$
- (4)  $\frac{7}{10}$
4. Arrange the following fractions from the greatest to the smallest.

$$\frac{3}{4}, \frac{1}{6}, \frac{7}{12}$$

- (greatest) (smallest)
- (1)  $\frac{1}{6}, \frac{3}{4}, \frac{7}{12}$
- (2)  $\frac{7}{12}, \frac{1}{6}, \frac{3}{4}$
- (3)  $\frac{7}{12}, \frac{3}{4}, \frac{1}{6}$
- (4)  $\frac{3}{4}, \frac{7}{12}, \frac{1}{6}$

5. In the number 46.28, the digit \_\_\_\_\_ is in the tenths place.

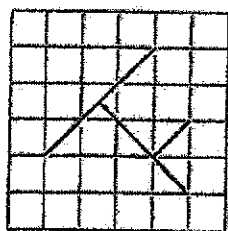
(1) 6

(2) 2

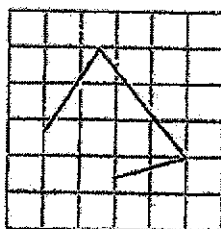
(3) 8

(4) 4

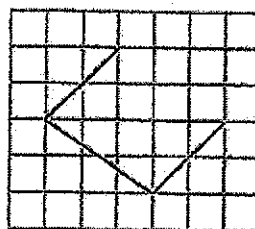
6. Which of the following figures in the square grid below has both parallel lines and perpendicular lines?



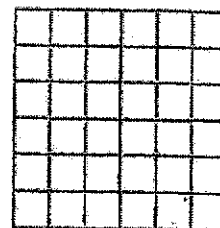
(1)



(2)



(3)



(4)

7. The area of a square is  $36 \text{ cm}^2$ . What is the length of one side of the square?

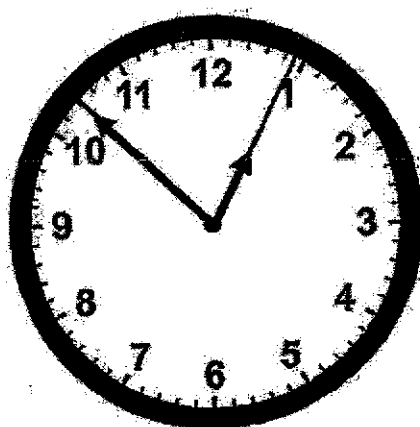
(1) 18 cm

(2) 12 cm

(3) 9 cm

(4) 6 cm

8. What is the time shown on the clock?



- (1) 10.05 a.m.  
(2) 11.05 a.m.  
(3) 12.52 p.m.  
(4) 1.52 p.m.
9. At a bookshop, a pen cost \$2 each.  
A packet of 6 such pens cost \$10.  
Wei Wei wanted to buy 19 such pens.  
What is the least amount of money she has to pay?

- (1) \$12  
(2) \$30  
(3) \$32  
(4) \$38

10.  $\frac{1}{10}$  of a pole was painted blue.

$\frac{1}{2}$  of the pole was painted yellow and the rest was painted red.

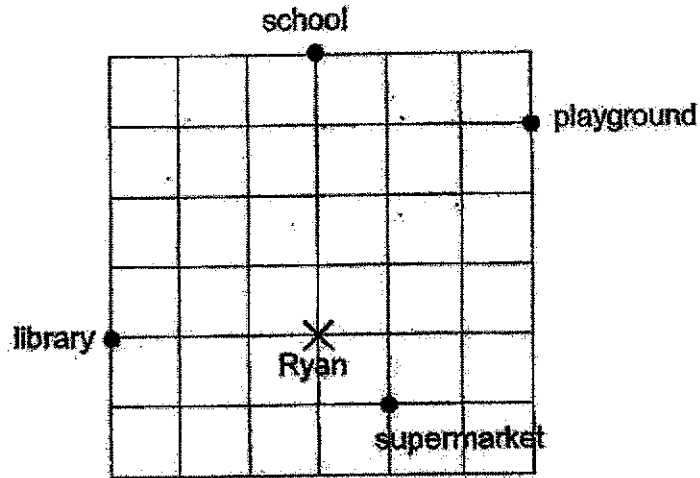
The part painted red was 48 cm long. How long was the part of the pole painted blue?

- (1) 12 cm
- (2) 24 cm
- (3) 60 cm
- (4) 72 cm

11. Lina and Kimberly each baked a cake.  
Lina's cake was 0.6 kg heavier than Kimberly's cake.  
The total mass of their cakes was 3.2 kg.  
What was the mass of Lina's cake?

- (1) 3.8 kg
- (2) 2.6 kg
- (3) 1.9 kg
- (4) 1.3 kg

12. Ryan was standing at point X, facing south-east at first.  
He then turned  $225^\circ$  in the clockwise direction.  
Where was he facing in the end?



- (1) library
- (2) school
- (3) playground
- (4) supermarket

13. Four letters N, O, S, E are shown below.

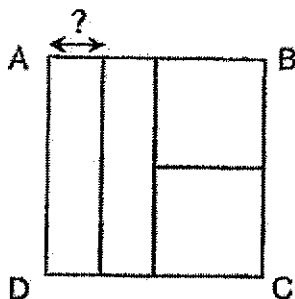
**N O S E**

How many of these letters are symmetric?

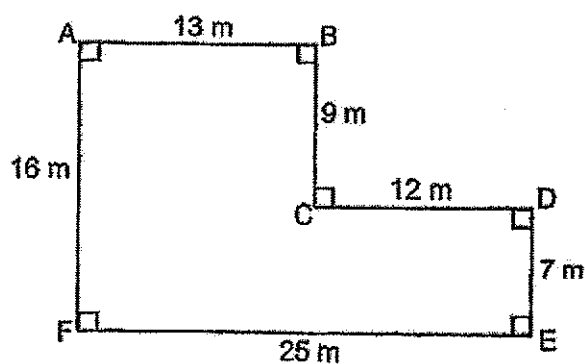
- (1) 1
- (2) 2
- (3) 3
- (4) 4



14. ABCD is a square that is formed by 2 identical rectangles and 2 identical squares. The perimeter of ABCD is 160 cm. Find the breadth of each rectangle.

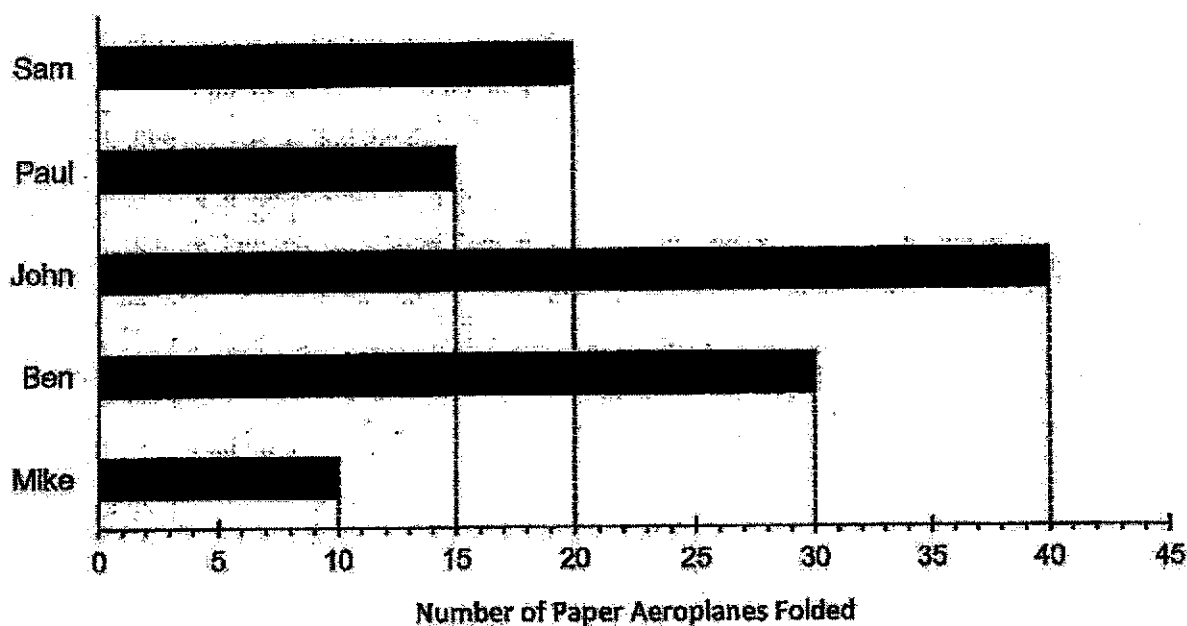


- (1) 10 cm  
 (2) 20 cm  
 (3) 40 cm  
 (4) 80 cm
15. Find the area of the figure shown below.



- (1) 208 m<sup>2</sup>  
 (2) 292 m<sup>2</sup>  
 (3) 383 m<sup>2</sup>  
 (4) 400 m<sup>2</sup>

16. The bar graph shows the number of paper aeroplanes that five boys folded.



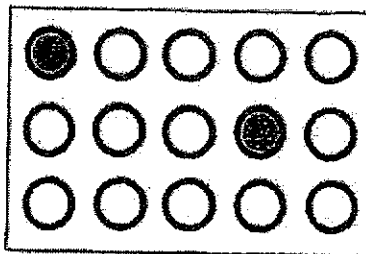
Sam folded twice as many paper aeroplanes as \_\_\_\_\_.

- (1) Paul
- (2) John
- (3) Ben
- (4) Mike

17. Joseph is thinking of 2 numbers.  
The only common factors of both numbers are 1 and 2.  
Their first common multiple is 24. One of the numbers is 8.  
What is the other number?

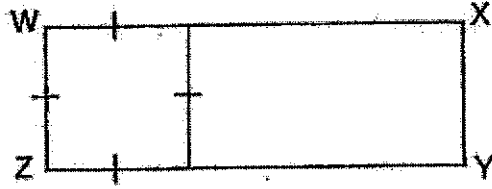
- (1) 12
- (2) 2
- (3) 6
- (4) 4

18. How many unshaded circles need to be removed so that  $\frac{1}{5}$  of the remaining circles are shaded?



- (1) 1  
(2) 5  
(3) 3  
(4) 10
19. Ropes A, B and C have a total length of 57.1 m.  
The total length of Ropes A and B is 31.4 m.  
The total length of Ropes A and C is 39.2 m.  
What is the length of Rope A?
- (1) 13.5 m  
(2) 17.9 m  
(3) 25.7 m  
(4) 70.6 m

20. WXYZ is made up of a square and a rectangle.  
The area of the square is  $25 \text{ cm}^2$ .  
The length of the rectangle is twice its breadth.  
Find the perimeter of WXYZ.



- (1) 10 cm
- (2) 20 cm
- (3) 40 cm
- (4) 50 cm



*Remember to check your work!*

*~ End of Booklet A ~*

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**Maha Bodhi School**  
**2020 Semestral Assessment 2**  
**Primary 4**  
**Mathematics**  
**Booklet B**

Name : \_\_\_\_\_ (    )

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

Date : 3 November 2020

Total Duration for Booklets A and B: 1 h 45 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.

| Booklet      | Marks Obtained | Max Marks  |
|--------------|----------------|------------|
| A            |                | 40         |
| B            |                | 60         |
| <b>Total</b> |                | <b>100</b> |

Parent's signature: \_\_\_\_\_

This booklet consists of **12** printed pages.

**Section B ( 40 marks )**

Questions 21 to 40 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.

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21. Write thirteen thousand and twenty-five in numerals.

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

22. Fill in the blank with the correct number in the number pattern below.

875, 850, 825, 800, \_\_\_\_\_, 750

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

23. Two factors of 10 are 1 and 10. What are the other two factors of 10?

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

24. Write  $\frac{24}{5}$  as a mixed number in its simplest form.

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

25.  $\frac{3}{4} + \frac{1}{8} =$  \_\_\_\_\_.

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

26. Round 11.63 to the nearest whole number.

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

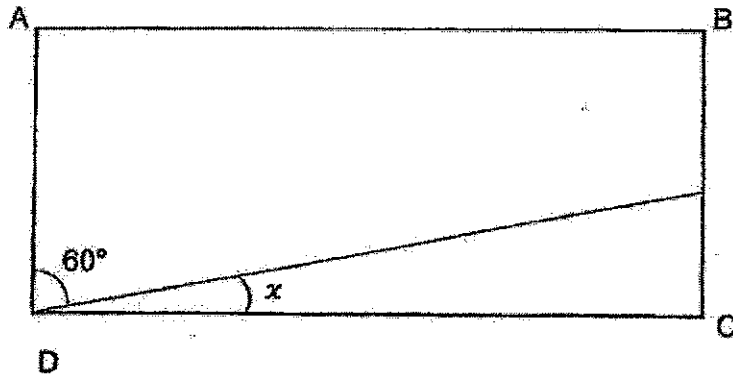
27. Express  $\frac{82}{100}$  as a decimal.

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

28.  $10.95 + 2.17 =$  \_\_\_\_\_.

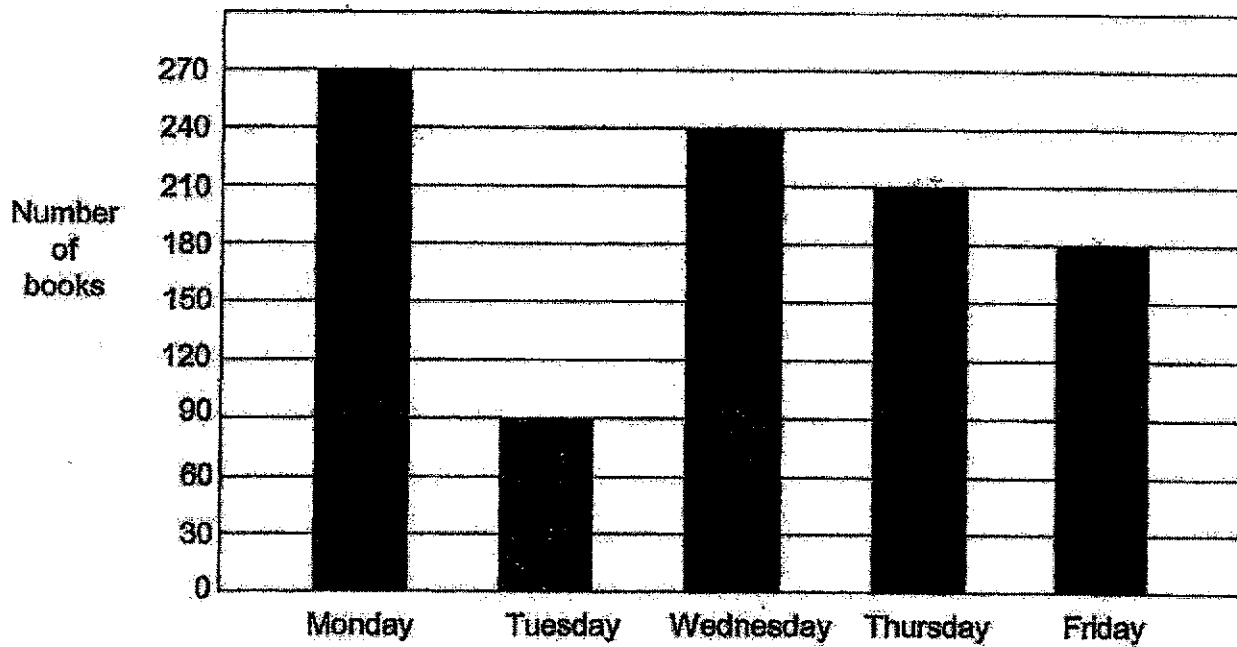
Ans: \_\_\_\_\_

29. ABCD is a rectangle. Find  $\angle x$ .



Ans: \_\_\_\_\_°

30. The graph below shows the number of books some children borrowed from the library over 5 days.



How many books did the children borrow on Wednesday and Friday altogether?

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



31. The third multiple of a number is 21. What is the number?

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

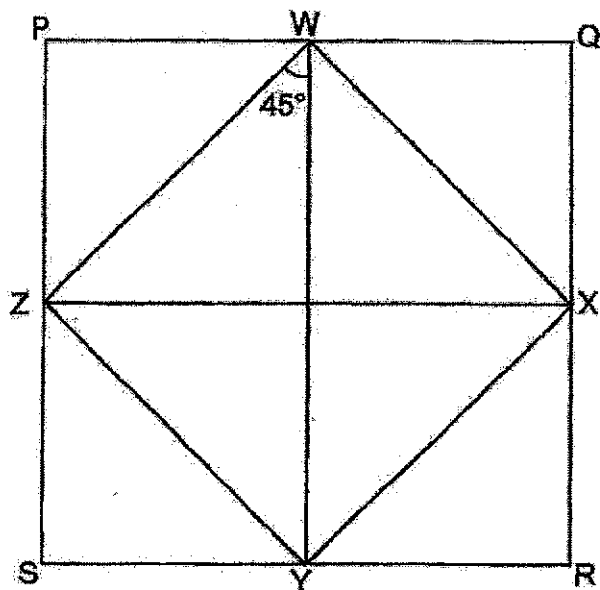
32. Mrs Tan has more than 30 sweets but less than 40 sweets.  
She is able to give an equal number of sweets to 4 or 6 children without any remainder.  
How many sweets does Mrs Tan have?

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

33. The total mass of Mr Han and his daughter is 91.2 kg.  
His mass is 3 times as much as his daughter's mass.  
Find the mass of Mr Han.

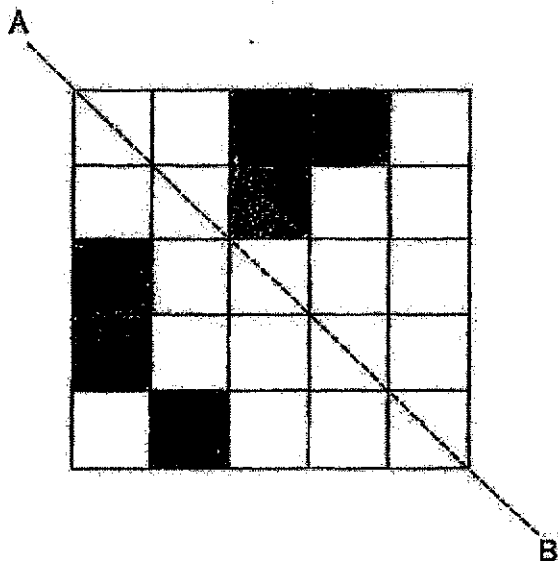
Ans: \_\_\_\_\_ kg

34. WXYZ and PQRS are squares.  
Find the sum of  $\angle XWY$  and  $\angle WQX$ .

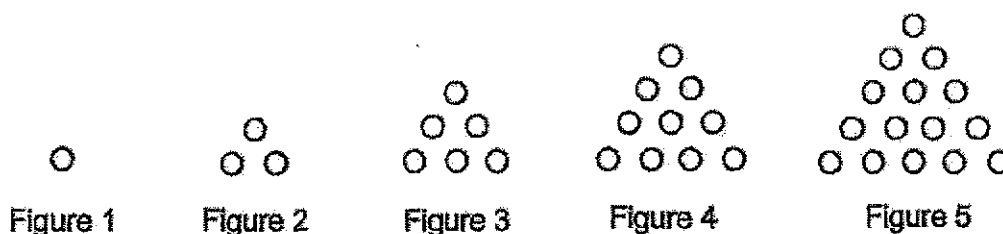


Ans: \_\_\_\_\_

35. Shade two squares so that AB is a line of symmetry of the figure.



36. Ismail uses circles to form figures that follow a pattern.  
The first five figures are shown below.



How many circles would he use for Figure 10?

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

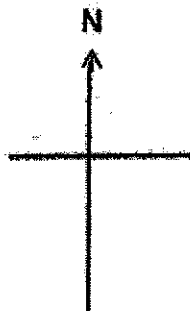
37. Mrs Rajoo bought the same number of pens and pencils.  
After she gave 5 pencils to Ali, she had twice as many pens as pencils left.  
She then bought another 18 pens. How many pens did she have in the end?

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

38. Lisa had some stickers at first. She gave  $\frac{4}{5}$  of them to her friends.  
She then bought another 24 stickers. She had 45 stickers in the end.  
How many stickers did Lisa have at first?

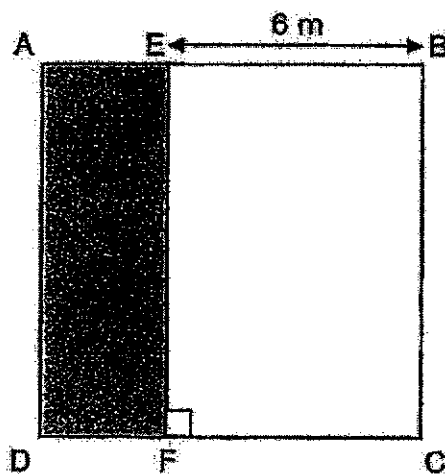
Ans: \_\_\_\_\_ stickers

39. Tom was standing in a field, facing a certain direction at first.  
 After he made a  $\frac{1}{4}$  - turn clockwise followed by a  $315^\circ$  turn anti-clockwise, he faced north.  
 Which direction was he facing at first?



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

40. ABCD is a square wall.  
 Mr Ho painted part of the wall in grey as shown below.  
 AB is 3 times as long as AE. EB = 6 m.  
 Find the area of the painted part of the wall, AEFD.



Ans: \_\_\_\_\_  $m^2$

**Section C ( 20 marks )**

Questions 41 to 45 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. The number of marks available is shown in brackets [ ] at the end of each question or part-question.

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41. Mr Lim and Mr Tan have 390 tiles altogether.  
Mr Lim has 5 times as many tiles as Mr Tan.  
How many more tiles does Mr Lim have than Mr Tan?

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

42. The capacity of a flask is  $\frac{5}{8}$  l.

The capacity of a bottle is  $\frac{1}{3}$  l less than the capacity of the flask.

Find the total capacity of the flask and the bottle.

Give your answer as a fraction in its simplest form.

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

43. Tammy had \$200. She bought a racket that cost \$143.30.  
She bought three T-shirts with the remaining amount of money.  
How much did each T-shirt cost?

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

44. On Saturday, Peter rented a bicycle for 2 h 15 min.  
He returned the bicycle at 1.00 p.m.
- (a) What time did he start the bicycle rental on Saturday?
- (b) On Sunday, he rented the same bicycle for 27 min less than on Saturday.  
How long did Peter rent the bicycle on Sunday?

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

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



45. 2 identical watches and 5 identical clocks cost \$742.05.  
Each watch cost twice as much as each clock.  
Muthu bought 4 watches. How much did he pay?

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



*Remember to check your work!*

*~ End of Paper ~*

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## ANSWER KEY

YEAR: 2020

LEVEL: PRIMARY 4

SCHOOL: MAHA BODI SCHOOL

SUBJECT: MATHEMATICS

TERM: SEMESTRAL ASSESSMENT 2

## BOOKLET A

|     |   |     |   |     |   |     |   |     |   |
|-----|---|-----|---|-----|---|-----|---|-----|---|
| Q1  | 4 | Q2  | 3 | Q3  | 3 | Q4  | 4 | Q5  | 2 |
| Q6  | 1 | Q7  | 4 | Q8  | 3 | Q9  | 3 | Q10 | 1 |
| Q11 | 3 | Q12 | 2 | Q13 | 2 | Q14 | 1 | Q15 | 2 |
| Q16 | 4 | Q17 | 3 | Q18 | 2 | Q19 | 1 | Q20 | 3 |

## BOOKET B

|     |                                                                       |
|-----|-----------------------------------------------------------------------|
| Q21 | 13025                                                                 |
| Q22 | 775                                                                   |
| Q23 | 2 and 5                                                               |
| Q24 | $4\frac{4}{5}$                                                        |
| Q25 | $\frac{3}{4} + \frac{1}{8} = \frac{6}{8} + \frac{1}{8} = \frac{7}{8}$ |
| Q26 | 12                                                                    |
| Q27 | 0.82                                                                  |
| Q28 | 13.12                                                                 |
| Q29 | $90^\circ - 60^\circ = 30^\circ$                                      |
| Q30 | 420 books                                                             |
| Q31 | 7                                                                     |
| Q32 | 36 sweets                                                             |
| Q33 | 68.4kg                                                                |
| Q34 | $90^\circ + 45^\circ = 135^\circ$                                     |
| Q35 |                                                                       |

|     |                                                                                                                                           |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------|
| Q36 | $10+9+8+7+6+5+4+3+2+1=55$ circles                                                                                                         |
| Q37 | $5 \times 2 = 10$<br>$10 + 18 = 28$                                                                                                       |
| Q38 | $45 - 24 = 21$<br>$21 \times 5 = 105$                                                                                                     |
| Q39 | South-West                                                                                                                                |
| Q40 | 27                                                                                                                                        |
| Q41 | $390 \div 6 = 65$<br>$65 \times 4 = 260$<br>Mr Lim has 260 more tiles.                                                                    |
| Q42 | $\frac{15}{24} - \frac{8}{24} = \frac{7}{24}$ $\frac{15}{24} = \frac{7}{12} = \frac{22}{24}$ $\frac{22}{24} = \frac{11}{12}$              |
| Q43 | $200 - 143.30 = 56.70$<br>$56.70 \div 3 = 18.90$<br>Each T-shirt cost \$18.90                                                             |
| Q44 | a) The rental started at 10.45 a.m.<br>b) $2\text{h } 15\text{min} - 27\text{min} = 1\text{h } 48\text{min}$<br>He rented it for 1h 48min |
| Q45 | $742.05 \div 9 = 82.45$<br>$82.45 \times 2 = 164.90$<br>$164.90 \times 4 = 659.60$<br>He paid \$659.60                                    |

2  
3/10