Maha Bodhi School
2018 Semestral Assessment 2
Primary 5
Mathematics
Paper 1
(Booklet A)

Name : _____( )

Class : Primary 5 _____

Date : 24 October 2018

Total duration for Booklets A and B: 1 hour

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

This booklet consists of **6** printed pages.

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) and shade your answer on the Optical Answer Sheet. (20 marks)

---

1. $100\,000 \div \square = 200 \times 10$

   What is the missing number in the box?

   (1) 50 000
   (2) 5 000
   (3) 50
   (4) 5

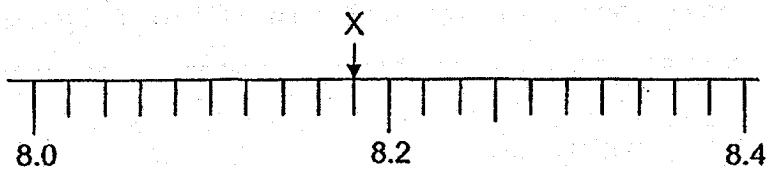
2. Which of the following number is a factor of both 48 and 56?

   (1) 9
   (2) 7
   (3) 3
   (4) 4

3. Which one of the following fractions is less than $\frac{1}{2}$?

   (1) $\frac{4}{9}$
   (2) $\frac{3}{5}$
   (3) $\frac{5}{8}$
   (4) $\frac{2}{3}$

4. In the scale below, what is the value of X?

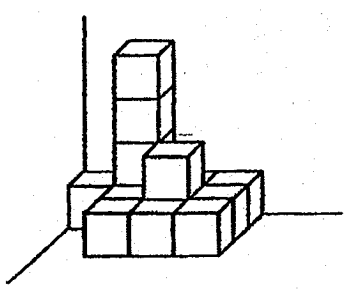


(1) 8.19
(2) 8.18
(3) 8.09
(4) 8.08

5. Express 2 kg 8 g in grams.

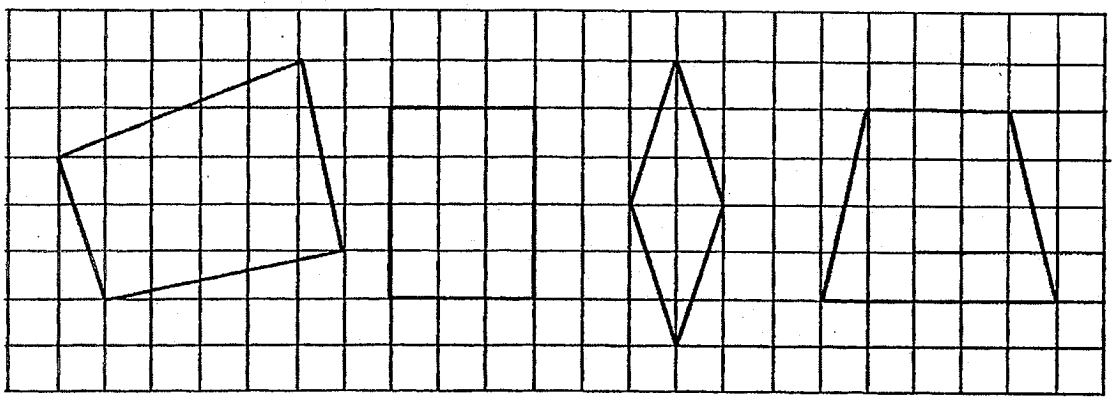
(1) 208 g
(2) 280 g
(3) 2008 g
(4) 2800 g

6. The solid below is made up of identical 1-cm cubes.
What is the volume of the solid?



(1) 11 cm^3
(2) 12 cm^3
(3) 13 cm^3
(4) 14 cm^3

7. In the square grid below, which shape is a rhombus?



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

8. Fanny can type 9 words per minute. At this rate, how long would she take to type 10[illegible] words?

(1) 12 min
(2) 99 min
(3) 117 min
(4) 972 min

9. The average of 2 numbers is 18. One of the numbers is 14. What is the other number?

(1) 36
(2) 22
(3) 5
(4) 4

10. Janice had $\frac{7}{10}$ m of string. She used $\frac{1}{5}$ of it to tie a present and gave the rest to her mother. How much string did Janice give to her mother?

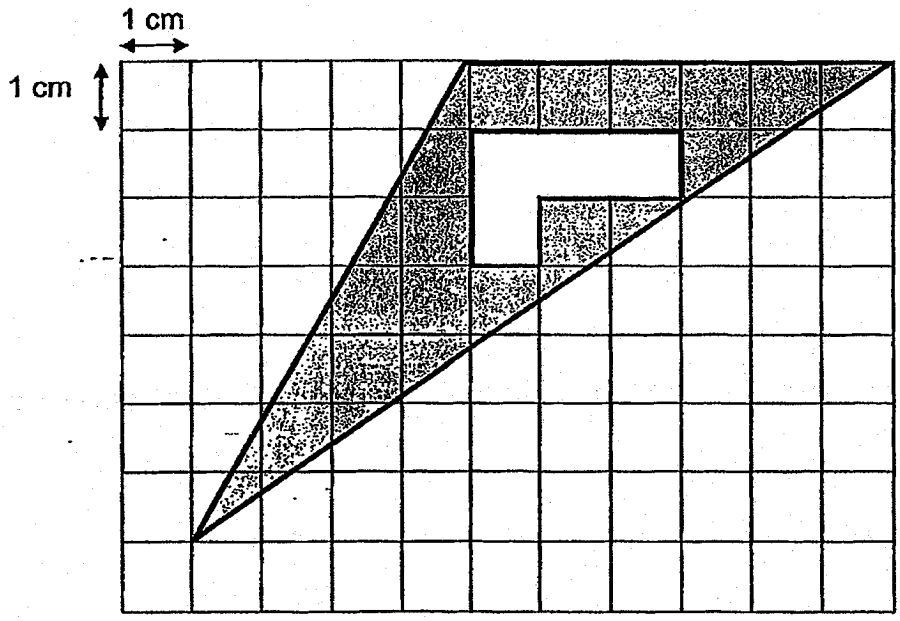
(1) $\frac{7}{50}$ m

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

(3) $\frac{14}{25}$ m

(4) $\frac{43}{50}$ m

11. Find the shaded area in the figure below.



(1) 17 cm^2

(2) 21 cm^2

(3) 38 cm^2

(4) 42 cm^2

12. Neela gave 30% of her salary to her mother and had $560 left.
How much money did she give to her mother?

(1) $168
(2) $240
(3) $392
(4) $800

13. An empty tank had a capacity of 3 ℓ. A tap took 42 seconds to fill it completely with water. At the same rate, how long would the same tap take to fill another empty tank with a capacity of 7 ℓ completely with water?

(1) 14 s
(2) 18 s
(3) 91 s
(4) 98 s

14. Box A contains only 50¢ coins and Box B contains only 20¢ coins. There are 25 more coins in Box B than in Box A. The total amount of money in two boxes is $19.
How much money is there in Box A?

(1) $7
(2) $9
(3) $10
(4) $14

15. Adeline, Ben and Charlie collected an average of 34 stickers. Adeline and Ben collected an average of 27 stickers. Ben and Charlie collected an average of 39 stickers. How many stickers did Ben collect?

(1) 12
(2) 24
(3) 30
(4) 48

Remember to check your work! Every mark counts.
–End of Booklet A –

Maha Bodhi School
2018 Semestral Assessment 2
Primary 5
Mathematics
Paper 1
(Booklet B)

Name : _____( ) Marks: ___/25___

Class : Primary 5_____

Date : 24 October 2018

Total duration for Booklets A and B: 1 hour

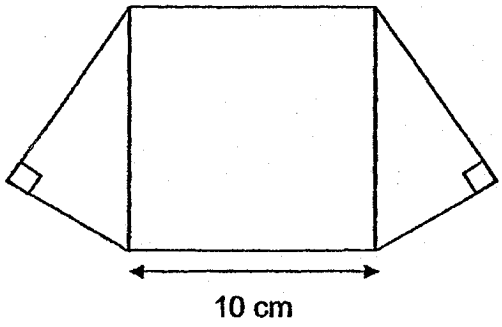
INSTRUCTIONS TO CANDIDATES:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. Write all your answers in this booklet.
5. The use of calculators is **NOT** allowed.

This booklet consists of 6 printed pages.

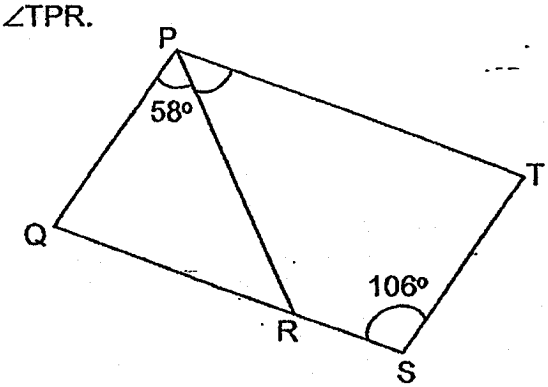
Questions **16** to **20** carry 1 mark each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (5 marks)

16. The figure below is made up of a square and 2 identical right-angled triangles. Its area is 148 cm^2. Find the area of one triangle.



Ans: _____ cm^2

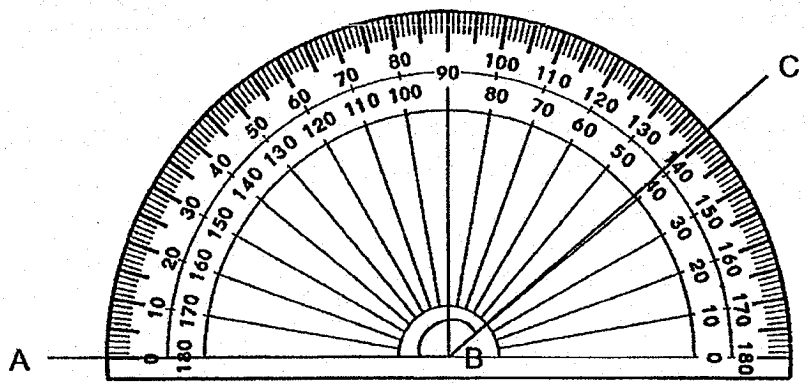
17. In the figure below, PQST is a parallelogram. $\angle QPR = 58^o$ and $\angle TSR = 106^o$. Find $\angle TPR$.



Ans: _____ °

/ 2

18. Measure and write down the size of ∠ABC.



Ans: _____ °

19. The table below shows the rates for renting skateboards.

For the first 2 hours	$6.50
For every additional 1 hour or part thereof	$4.00

Jamie rented 1 skateboard from 2 p.m. to 5 p.m. in the same afternoon.
How much did she pay for the rental?

Ans: $ _____

20. The following table shows the masses of 3 bags.

Bag X	1 kg 200 g
Bag Y	?
Bag Z	250 g

The average mass of the 3 bags is 500 g. What is the mass of Bag Y in grams?

Ans: _____ g

/ 3

Questions **21** to **30** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated. (20 marks)

---

21. Find the value of $3 \div 7$. Correct your answer to 2 decimal places.

Ans: _____

22. Johnny has a mass of 60 kg. Ken's mass is $\frac{3}{4}$ of Johnny's mass. What is Ken's mass?

Ans: _____kg

23. Look at the pattern below. The first 15 letters are shown.

A B B C D A B B C D A B B C D
1st 15th

What is the letter in the 69th position?

Ans: _____

/ 6

24. Michael took a public bus at 06 05 and reached school at 07 20. The next day, he took a train at the same time and reached school 35 minutes earlier. How long did he take to go to school by train?

Ans: _____ min

25. In a club, the number of boys to the number of girls is 3 : 8. There are 24 girls. How many more girls than boys are there?

Ans: _____

26. The table shows the number of families who have potted plants.

Number of potted plants per family	0	1	2	3	4
Number of families	51	26	12	1	5

How many potted plants are there in all?

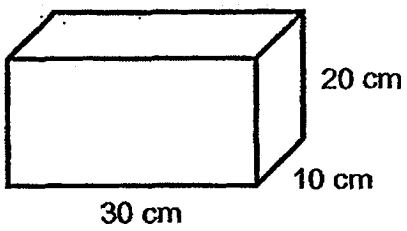
Ans: _____ potted plants

/ 6

27. Magazine B costs $1 more than Magazine A. Magazine B costs $0.80 more than Magazine C. Gillian bought 2 copies of each magazine. She paid $25.50 in all. What is the price of Magazine A?

Ans: $_____

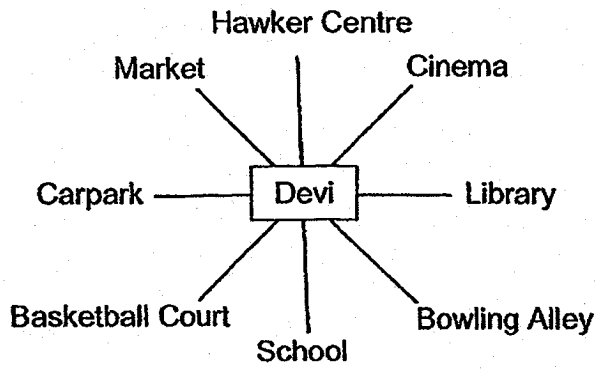
28. The diagram below shows a fish tank. What is the capacity of 40 such fish tanks? Give your answer in litres.



Ans: _____ ℓ

/ 4

29. The diagram shows an 8-point compass. Devi turned 225° clockwise and then made a $\frac{1}{4}$ - turn anti-clockwise to face the basketball court in the end. Where was she facing at first?



Ans: _____

30. A total of 71 children stand in a queue for candy floss. There are at least 4 boys between any 2 girls. What is the greatest possible number of girls in the queue?

Ans: _____ girls

/ 4

Remember to check your work! Every mark counts.
--End of Booklet B --

Maha Bodhi School
2018 Semestral Assessment 2
Primary 5
Mathematics
Paper 2

Name : _____ ( )

Class : Primary 5 _____

Date : 24 October 2018

Duration: 1 h 30 min

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. Write your answers in this booklet.
5. The use of an approved calculator is expected, where appropriate.

Paper	Booklet	Marks Obtained	Max Marks
1	A		20
	B		25
2	-		55
Total			**100**

Parent's signature: _____

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

Questions 1 to 5 carry 2 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. (10 marks)

---

1. During a quiz, Tristan answered 14 questions out of 50 questions correctly.
   What percentage of the questions did he answer correctly?

Ans: _____%

2. A whole number is 45 000 when rounded to the nearest thousand.
   What is the greatest possible value of the number?

Ans: _____

3. Jane was given $12 on a certain date. Every day, starting from that date, she spent $0.80 of the money she was given. She spent all the money she was given on 23 October. On which date was she given the money?

Ans: _____

/ 6

4. 4.5 kg of white rice is mixed with 5 times as much brown rice. The mixture is packed equally into 10 packets. How many kilogrammes of mixture does each packet contain?

Ans: _____kg

5. Mr Tan takes 6 hours to paint a house. Mr Ramesh takes 4 hours to paint the same house. How long will it take both men to paint the house together?

Ans: _____h

/ 4

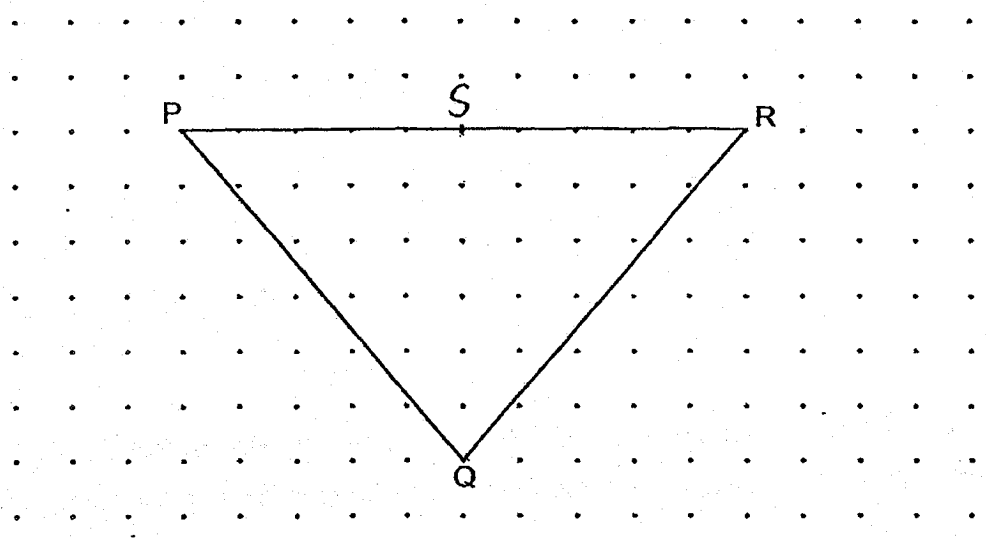
For questions **6** to **17**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (45 marks)

---

6. In the space provided below,

(a) Draw Line QS such that Triangle PQS has the same area as Triangle RSQ.

(b) What type of triangle is Triangle RSQ?



[2]

Ans: (b) _____ [1]

7. $\frac{2}{3}$ of a piece of cloth was used to make a dress. Another $\frac{1}{4}$ m of the cloth was used to make a scarf. There was 3 m of the cloth left. How much cloth was there at first?

Ans: _____ [3]

/ 6

8. The ratio of the length of a rectangle to its breadth is 3 : 1.
Its perimeter is 108 cm. What is the length of the rectangle?

Ans: _____ [3]

9. Joshua deposited his savings of $4950 into the bank. He earned a 2.4% interest annually on his savings. How much would he have in his bank account at the end of one year?

Ans: _____ [3]

/ 6

10. Mrs Lee has some stickers. When she gives 5 stickers to each of her pupils, she has 7 stickers left. When she gives 2 stickers to each of her pupils, she has 52 stickers left.

(a) How many stickers does Mrs Lee have?

(b) How many more stickers will she need in order to give each of the pupils 7 stickers?

Ans: (a) _____ [2]

(b) _____ [2]

/ 4

11. Edmund bought 28 tarts. Ai Ling bought 9 such tarts and 23 bottles of drinks at $4.50 each. Ai Ling spent $22.75 more than Edmund.
How much did Edmund spend?

Ans: _____ [4]

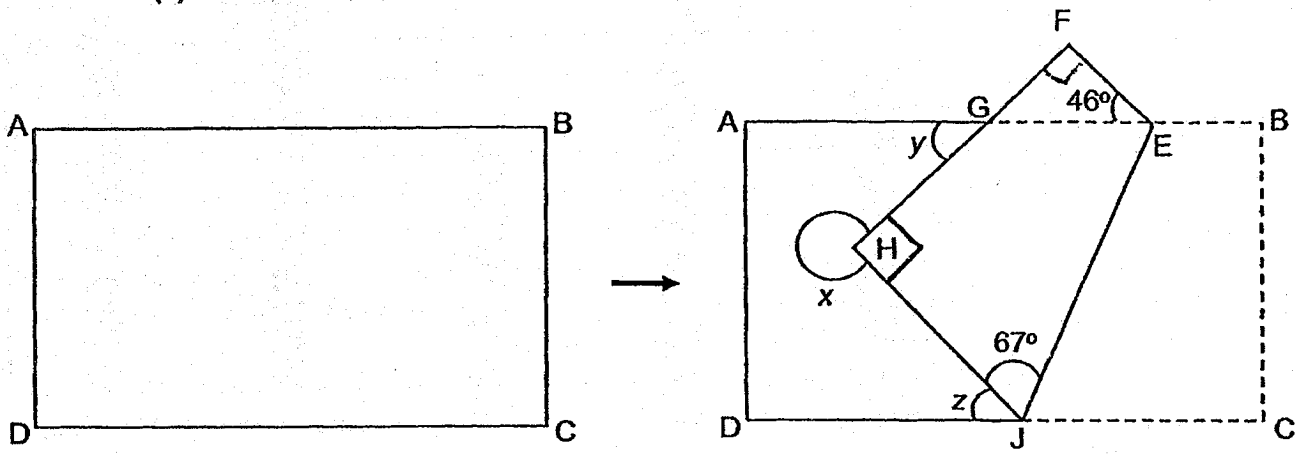
/ 4

12. In the figure, not drawn to scale, ABCD is a rectangular piece of paper. It is folded as shown below. $\angle HJE = 67^\circ$ and $\angle FEG = 46^\circ$.

(a) Find $\angle x$.

(b) Find $\angle y$.

(c) Find $\angle z$.



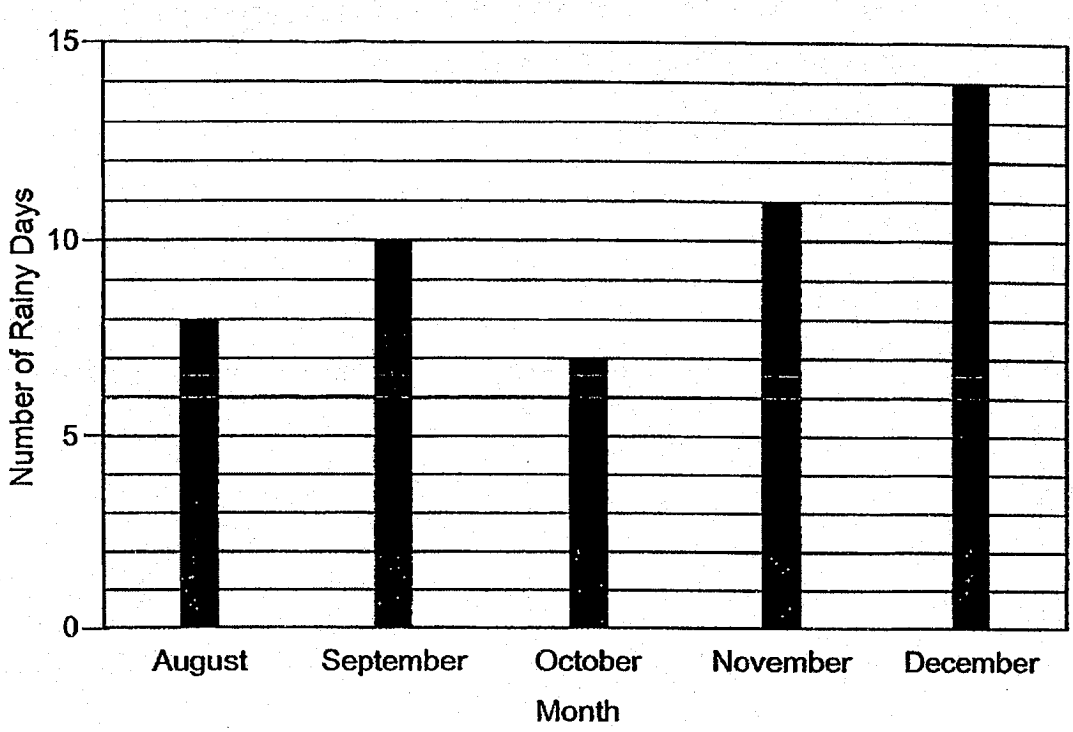
Ans: (a) _____ [1]

(b) _____ [1]

(c) _____ [2]

/ 4

13. The bar graph below shows the number of days it rained from August to December.



(a) The average number of days it rained from July to September was 9.
How many days did it rain in July?

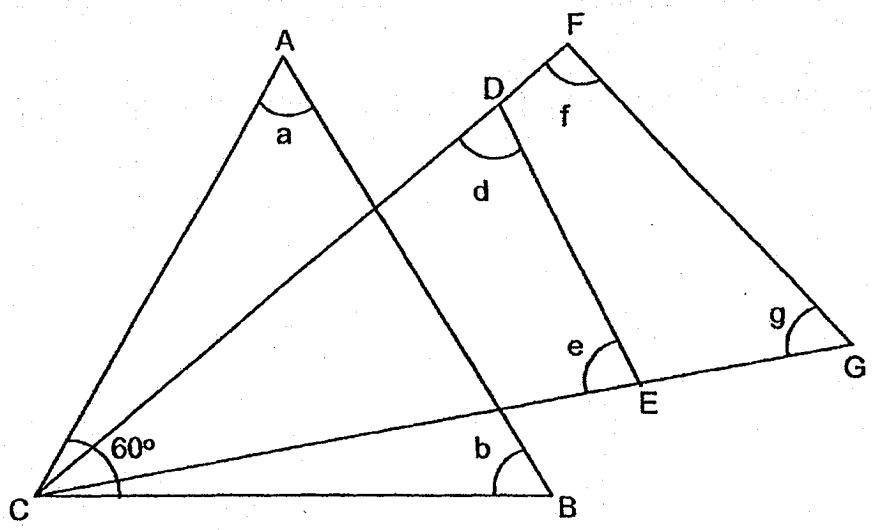
(b) What is the average number of days it rained from October to December?
Round your answer to the nearest whole number.

Ans: (a) _____ [2]

(b) _____ [2]

/ 4

14. In the figure below, not drawn to scale, ∠ACB = 60°. ∠DCE is half the size of ∠ACB. Find ∠a + ∠b + ∠d + ∠e + ∠f + ∠g.



Ans: _____ [3]

/ 3

15. A living room measures 7 m by 4 m. Mother wants to lay small square carpets of length 2 m on the floor, without cutting up the carpets.

(a) What is the most number of carpets she can lay on the floor?

(b) What is the area of the floor that is **not** covered by the carpet?

Ans: (a) _____ [2]

(b) _____ [2]

/ 4

16. Sue wants to decorate 16 small cards and 15 large cards using coloured paper. The number of pieces of coloured paper she used for 2 large cards is the same as that for 3 small cards. She has decorated 11 small cards and 8 large cards with 138 pieces of coloured paper.

(a) How many small cards can Sue decorate with the number of pieces of coloured paper she uses for 8 large cards?

(b) How many pieces of coloured paper does Sue need to decorate the remaining cards?

Ans: (a) _____ [1]

(b) _____ [4]

/ 5

17. At first, Rahman only had apples and Baljit only had mangoes. Then, Rahman gave $\frac{1}{2}$ of his apples to Baljit and Baljit gave $\frac{1}{2}$ of his mangoes to Rahman. After Rahman had sold 246 apples and Baljit had sold 128 mangoes, Rahman had $\frac{1}{6}$ as many apples as mangoes left. $\frac{1}{3}$ of the fruits Baljit had left were apples. How many mangoes did Baljit have left?

Ans: _____ [5]

/ 5

Remember to check your work! Every mark counts.

--End of Paper --

SCHOOL : MAHA BODHI PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2018 SA2

PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	4	1	2	3	4	3	1	2	3

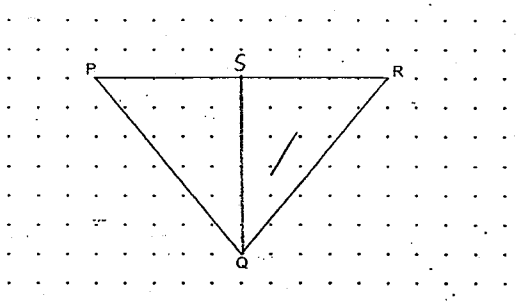
Q 11	Q12	Q13	Q14	Q15
1	2	4	3	3

PAPER 1 BOOKLET B

Q16)	10 X 10 = 100 148 – 100 = 48 48 ÷ 2 = 24 cm2
Q17)	106 – 58 = 48°
Q18)	139°
Q19)	6.50 + 4 = $10.50
Q20)	500 x 3 = 1500 1500 – 250 = 1250 1250 – 1200 = 50 g
Q21)	$3 \div 7 \approx 0.43\overline{}$
Q22)	¾ x 60 = 45 kg
Q23)	69 ÷ 5 = 13R4 ANS: C
Q24)	1 h 15 min – 35 min = 40 min
Q25)	8 – 3 = 5 24/8 x 5 = 15
Q26)	26 x 1 + 12 x 2 + 3 x 1 + 4 x 5 = 73
Q27)	25.50 – 1 – 0.20 = $3.85
Q28)	30 x 10 x 20 = 6000 6000 x 40 = 240 000 = 240 L

Q29)	Library
Q30)	71 – 1 = 70 70 ÷ 5 = 14 14 + 1 = 15

PAPER 2

Q1)	14/50 x 100% = 28%
Q2)	45499
Q3)	12 ÷ 0.8 = 15 23 – 15 + 1 = 9 October
Q4)	4.5 x 5 = 22.5 22.5 + 4.5 = 27 27 ÷ 10 = 2.7 kg
Q5)	Mr Tan : 6h→1 house 1h→1/6 house Mr Ramesh: 4h→1 house 1h→ ¼ house Mr Tan + Mr Ramesh 1h→5/12 house 12/5h→1house ANS: 2 2/5 h
Q6)	a)  b)Right- angled triangle
Q7)	1 unit = ¼ + 3 = 3¼ 3 units = 3¼ x 3 = 9¾ m
Q8)	(3 + 1) x 2 =8 8 units→108 3 units→108 ÷ 3 = 40.5 cm
Q9)	2.4% x 4950 = 118.8 118.8 + 4950 = $5068.80

Q10)	a)82 b)7 x 15 = 105 105 – 82 = 23
Q11)	4.50 x 23 = 103.50 28 – 9 = 19 103.50 – 22.75 = 80.75 80.75 ÷ 19 = 4.25 4.25 x 28 = $119
Q12)	a) ∠ X = 360 – 90 = 270° b) ∠ FGE = ∠y ∠ y = 180 – 90 – 46 = 44° c) ∠ HJE = ∠EJC ∠ z = 180 – 67 x 2 = 46°
Q13)	a)9 x 3 = 27 27 – 8 – 10 = 9 b)7 + 11 + 14 = 32 32 ÷ 3 ≈ 11
Q14)	$\angle DCE = 60 \div 2 = 30°$ $\angle a + \angle b + \angle d + \angle e + \angle f + \angle g$ = 180 x 3 = 60 – 30 – 30 = 420°
Q15)	a)7 ÷ 2 = 3 R1 4 ÷ 2 = 2 2 x 3 = 6 b)7 x 4 – 2 x 2 x 6 = 4m2
Q16)	a)8 ÷ 2 = 4 4 x 3 = 12 b)12 + 11 = 23 138 ÷ 23 = 6 16 – 11 = 5 5 x 6 = 30 15 – 8 = 7 6 x 3 = 18 7 ÷ 2 = 3.5 3.5 x 18 = 63 63 + 30 = 93
Q17)	3 units + 246 + 246 + 246 + 128 = 7 units + 246 4 units = 246 + 246 + 128 = 620 2 units = 620 ÷ 2 = 310 310 + 246 + 246 = 802