Maha Bodhi School
2017 Semestral Assessment 2
Primary 5
Mathematics
Paper 1
(Booklet A)

Name : _____ ( )

Class : Primary 5 _____

Date : 26 October 2017

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 (OAS) provided.
5. The use of calculators is **NOT** allowed.

This booklet consists of 7 printed pages.

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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 oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)
All diagrams are not drawn to scale.

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1. In 3 875 930, how many thousands are there in the value of the digit 7?

(1) 70
(2) 700
(3) 7000
(4) 70 000

2. Arrange the numbers below in increasing order.

6499 , 6511 , 6423 , 6509

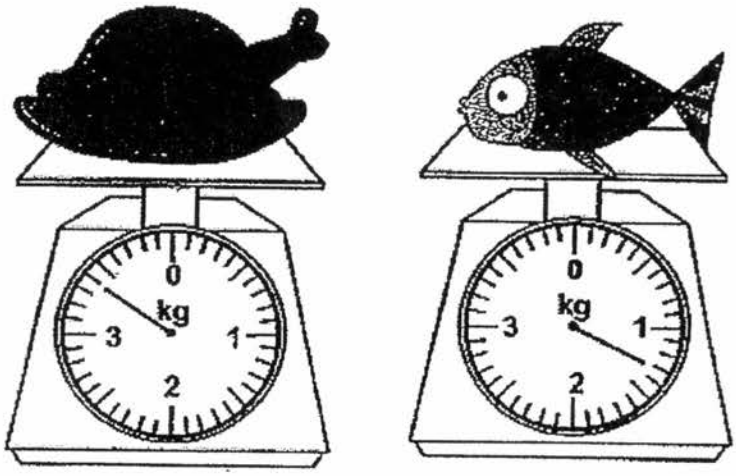
(1) 6509 , 6511 , 6423 , 6499
(2) 6423 , 6499 , 6509 , 6511
(3) 6511 , 6509 , 6499 , 6423
(4) 6499 , 6509 , 6423 , 6511

3. Which one of the following fractions is closest to 1?

(1) $\frac{6}{5}$
(2) $\frac{5}{6}$
(3) $\frac{4}{3}$
(4) $\frac{3}{4}$

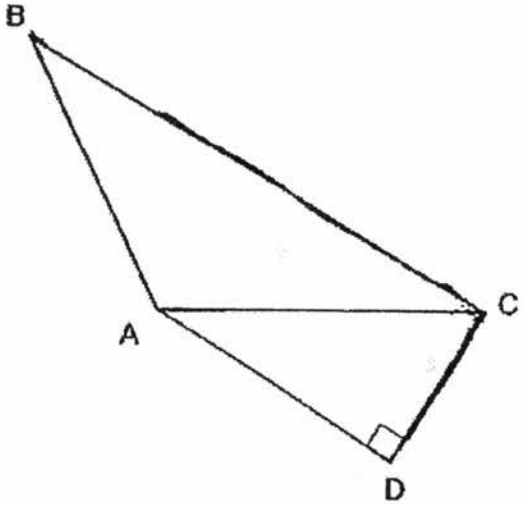
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4. What is the total mass of the chicken and the fish?



(1) 1.3 kg
(2) 2.1 kg
(3) 3.4 kg
(4) 4.7 kg

5. ABCD is a trapezium. BC is the base of triangle ABC.
What is the corresponding height of triangle ABC?



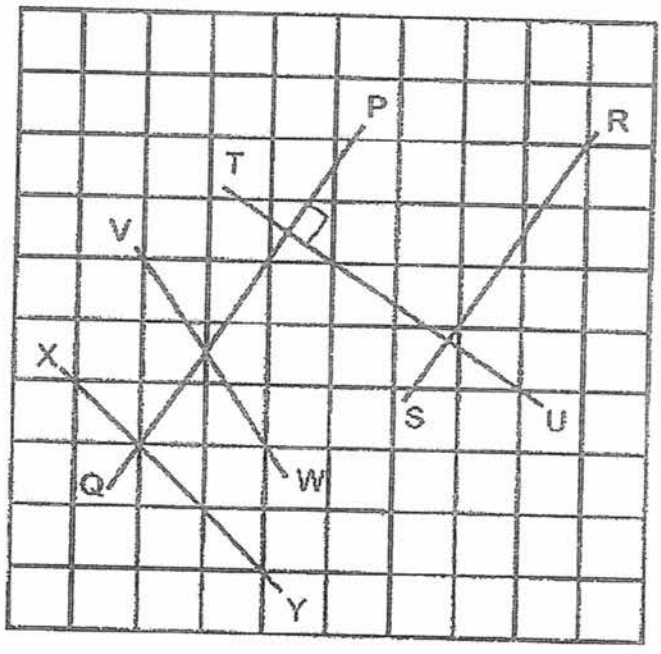
(1) AD
(2) AB
(3) CA
(4) CD

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6. What is the value of $240 \div 6000$?

(1) 40
(2) 0.4
(3) 0.04
(4) 4

7. The figure below shows straight lines PQ, RS, TU, VW and XY drawn on a square grid.



Which one of the following lines is perpendicular to PQ?

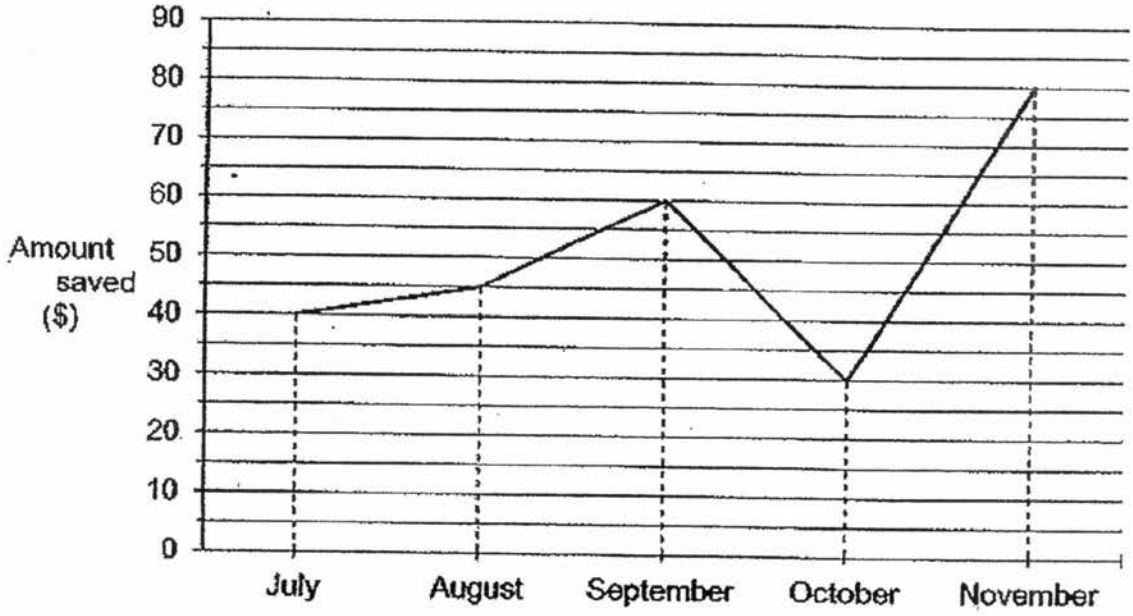
(1) RS
(2) TU
(3) VW
(4) XY

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8. A machine can print 28 pieces of paper in 1 minute.
How many pieces of paper can 4 such machines print in 5 minutes?

(1) 35
(2) 112
(3) 140
(4) 560

9. Alex received $90 each month for his pocket money.
The line graph shows the amount of pocket money he saved each month.



In which month did Alex spend the most?

(1) August
(2) September
(3) October
(4) November

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10. Alicia had $\frac{3}{4}$ m of cloth. She used $\frac{1}{3}$ of it to make a dress.

How much cloth did she have left?

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

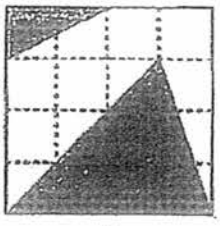
(2) $\frac{5}{12}$ m

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

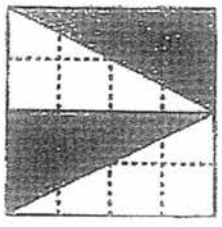
(4) $\frac{2}{3}$ m

11. A, B, C and D are identical squares.

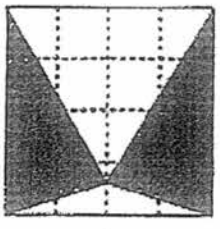
Which of the following figures show that half of the figure is shaded?



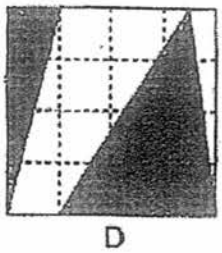
A



B



C



D

(1) A and C only

(2) B and D only

(3) A, B and C only

(4) B, C and D only

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12. A hairdryer costs $400 and there is a 20% discount.
How much does the hairdryer cost after discount?

(1) $20
(2) $80
(3) $320
(4) $380

13. Dishwasher X and Dishwasher Y could wash a total of 90 similar plates in 5 minutes.
Every minute, Dishwasher X washed 2 more plates than Dishwasher Y.
How long would Dishwasher Y take to wash 160 plates by itself?

(1) 20 min
(2) 16 min
(3) 8 min
(4) 4 min

14. The volume of apple juice in a jug was 1.6 ℓ, when rounded off to one decimal place.
Ismail poured 320 ml of apple juice from the jug into a glass.
What is the largest possible volume of apple juice that was left in the jug?

(1) 1.23 ℓ
(2) 1.28 ℓ
(3) 1.32 ℓ
(4) 1.92 ℓ

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15. Tammy scored an average of 64 marks in her first 2 tests.
Which of the following must be her scores in her third and fourth tests to get an average of at least 75 marks for all the 4 tests?

	third test	fourth test
(1)	70	80
(2)	85	88
(3)	78	72
(4)	97	74

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Maha Bodhi School
2017 Semestral Assessment 2
Primary 5
Mathematics
Paper 1
(Booklet B)

Name : _____ ( ) Marks: 25

Class : Primary 5_____

Date : 26 October 2017

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.

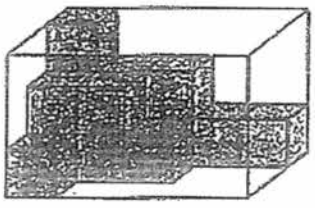
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Questions 16 to 20 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (5 marks)
All diagrams are not drawn to scale.

16. A rectangular tank is partly filled with unit cubes.

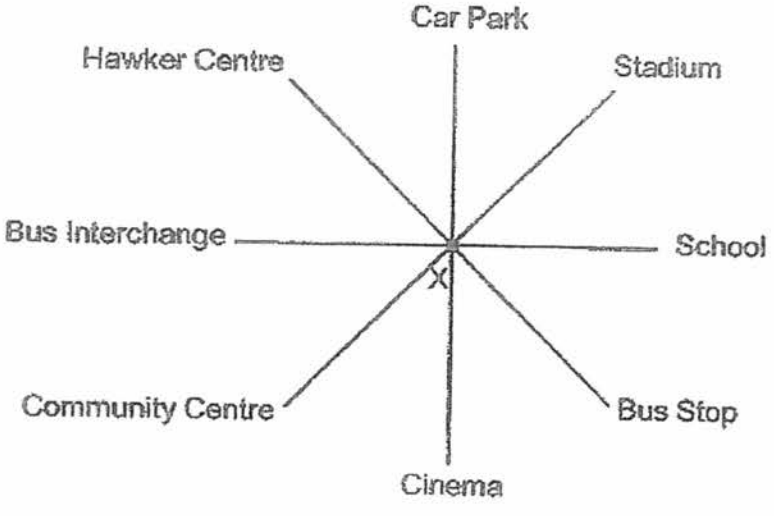
How many unit cubes will there be when the tank is completely filled with unit cubes?



Ans: _____ _____ unit cubes

17. Jane is standing at Point X.

The diagram below shows the different places around Jane.





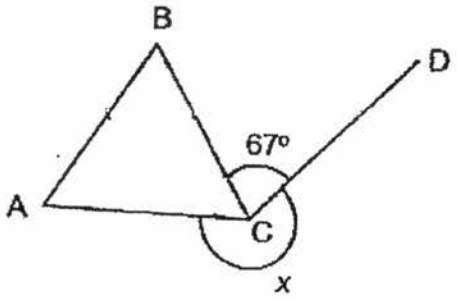
Jane is facing north-east. Which place is she facing?

Ans: _____

2

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18. The figure below is formed with an equilateral triangle ABC and a straight line CD.
Find $\angle x$.



Ans: _____ °

19: Ray runs at the rate of 300 m per minute.
How long must he run to complete 1200 m at this rate?

Ans: _____ min

20. 4 boys and 16 girls collected 480 seashells altogether.
What was the average number of seashells each child collected?

Ans: _____ seashells

/ 3

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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)
All diagrams are not drawn to scale.

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21. Evaluate $9 \div 90 \div 9$.

Ans: _____

22. Mr Lim spent $\frac{1}{5}$ of his salary and saved $\frac{1}{2}$ of the remainder.
What fraction of his salary did he save? Give your answer in the simplest form.

Ans: _____

23. Peaches are sold in packs of 5. Each pack costs $4.80. Sally bought 30 peaches.
How much did she pay?

Ans: $_____

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24. Jason ended his 45-minute swimming lesson at 14 05.
What time did his swimming lesson start? Give your answer in 24 h clock.

Answer: _____

25. There are 117 buttons in a box. 18 of them are yellow, 27 of them are blue and the rest are green. What is the ratio of the number of yellow buttons to the number of green buttons?

Answer: _____

26. A group of 25 pupils was asked to choose their favourite number from 2 to 5.
The table below shows the result of the pupils' choices.

Favourite Number	Number of Pupils
2	8
3	9
4	2
5	6

What fraction of the pupils chose an odd number as their favourite number?
Give your answer in the simplest form.

Answer: _____

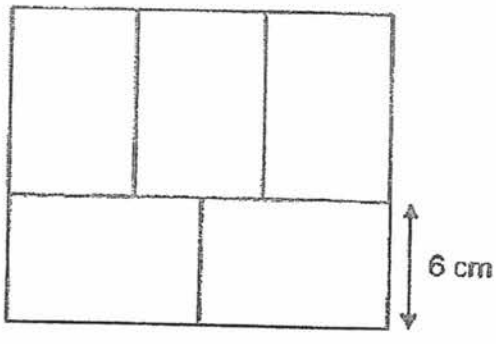
/ 6

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27. Fanny bought 1 table and 4 identical chairs for $81.
The table cost twice as much as each chair. Find the cost of each chair.

Ans: $_____

28. The figure below is made up of 5 identical rectangles.
The breadth of one rectangle is 6 cm. What is the perimeter of the figure?

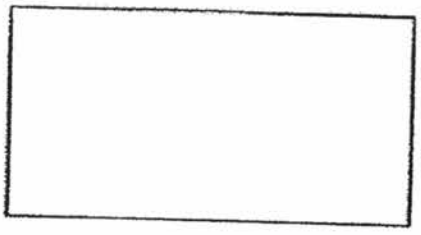


Ans: _____ cm

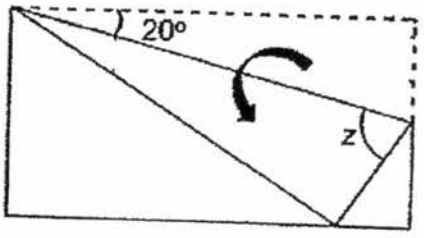
/ 4

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29. The figure shows part of a rectangular piece of paper being folded. Find $\angle z$.



Before folding



After folding

Ans: _____ °

30. The total mass of 3 similar books and 5 similar files is 482 g.
Each file weighs 14 g less than each book. Find the mass of one file.

Ans: _____ g

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Maha Bodhi School
2017 Semestral Assessment 2
Primary 5
Mathematics
Paper 2

Name : _____( )

Class : Primary 5 _____

Date : 26 October 2017

Duration: 1 h 30 min

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

This booklet consists of 12 printed pages.

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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)
All diagrams are not drawn to scale.

---

1. Express 0.2% as a fraction in the simplest form.

Ans: _____

2. There are two numbers. The difference between the numbers is 98 less than the sum of them. The bigger number is twice that of the smaller number.
Find the bigger number.

Ans: _____

3. In a classroom activity, 16 pupils stood in a straight row with equal distances between each other. The distance between the 5th pupil and the 10th pupil was 11.95 m.
What was the distance between the first pupil and the last pupil?

Ans: _____ m

/ 6

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4. Shawn cut out squares with sides 2 cm from a rectangular piece of paper measuring 45 cm by 22 cm. What was the most number of squares he could cut?

Ans: _____ squares

5. The table below shows the charges of an automated bicycle rental system in Singapore.

Rental Charges	
For the first hour	$1.50
For every subsequent $\frac{1}{2}$ hour or part thereof	$0.50

How much must Michelle pay to rent the bicycle from 1.30 p.m. to 4.15 p.m.?

Ans: $ _____

/ 4

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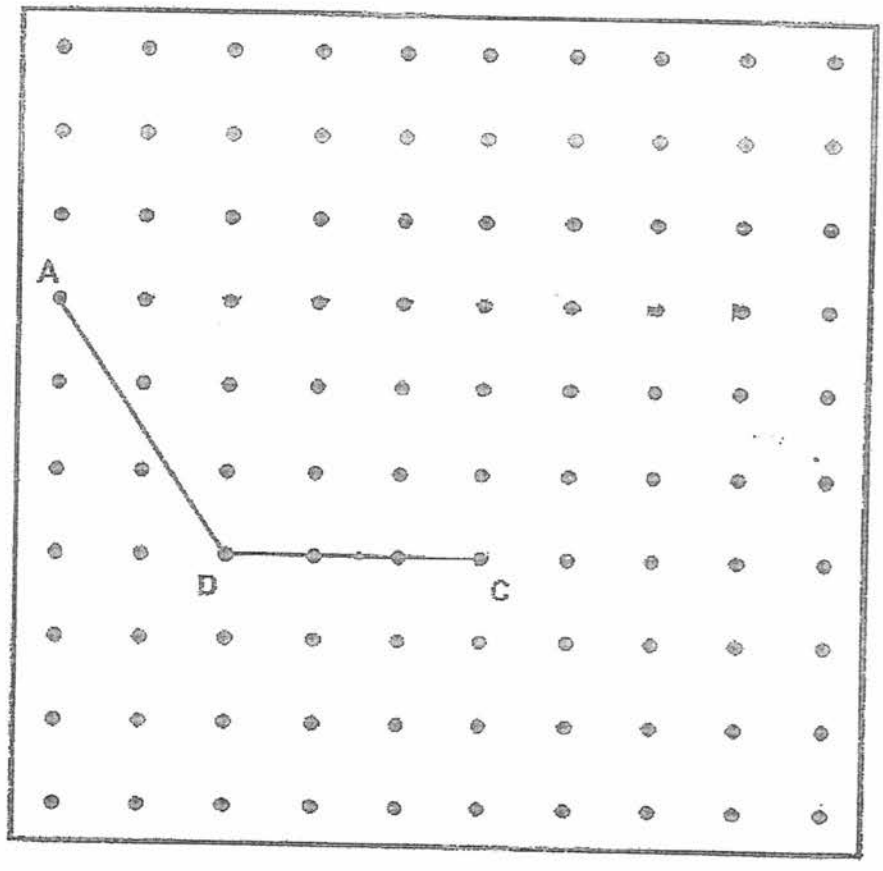
For questions 6 to 17, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (45 marks)
All diagrams are not drawn to scale.

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6. (a) ABCD is a trapezium. AB // CD and AB is twice of CD.

AD and DC have been drawn for you.

Draw two lines, AB and BC, to complete the trapezium. [2]



(b) Measure ∠BCD.

Ans: _____ [1]

/ 3

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7. Sue went shopping with a sum of money. She spent $\frac{1}{3}$ of her money on a blouse and $\frac{2}{5}$ of her money on a skirt. After that, she bought 2 T-shirts that cost $24 each and had $58 left. How much did the blouse cost?

Ans: _____ [3]

8. Ali, Ben and Carson shared some sweets. The ratio of the number of sweets Ali had to the total number of sweets Ben and Carson had is 3 : 8. Ali had the same number of sweets as Ben and 36 fewer sweets than Carson.

(a) What is the ratio of the number of sweets Ali had to the number of sweets Ben had to the number of sweets Carson had?

(b) How many sweets do they have altogether?

Ans: (a) _____ [1]

(b) _____ [2]

' 6

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9. Natalie bought 15 m of cloth. She used 30% of it to make a dress and 20% of the remaining cloth to make a shirt. How many metres of cloth did she have left?

Ans: _____ [3]

10. The total length of 3 pieces of ribbon is 16.29 m. The red ribbon is 0.35 m longer than the blue ribbon. The red ribbon is 0.47 m shorter than the yellow ribbon.
What is the length of the red ribbon? Give your answer in metres.

Ans: _____ [4]

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11. There are some cows and chickens in a farm.
There are 86 animals and 210 legs altogether.
What is the difference between the number of cows and the number of chickens in the farm?

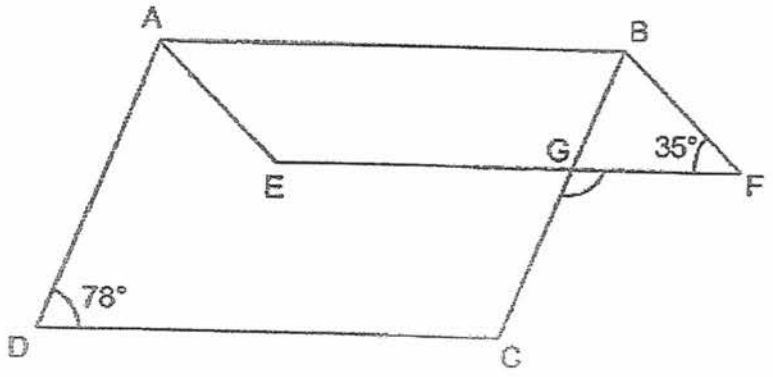
Ans: _____ [4]

/ 4

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12. The diagram below shows two parallelograms ABCD and ABFE.
$\angle ADC = 78°$ and $\angle BFG = 35°$.



(a) Find $\angle DAE$.

(b) Find $\angle FGC$.

Ans: (a) _____ [2]

(b) _____ [2]

/ 4

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13. Five teams participated in a competition.

The table below shows the scores each team received.

Name of Team	Scores
Alpha	13
Bravo	12
Charlie	?
Delta	?
Echo	9

The average score for the teams was 14.

Team Charlie's score was $\frac{1}{5}$ of Team Delta's score. What was Team Delta's score?

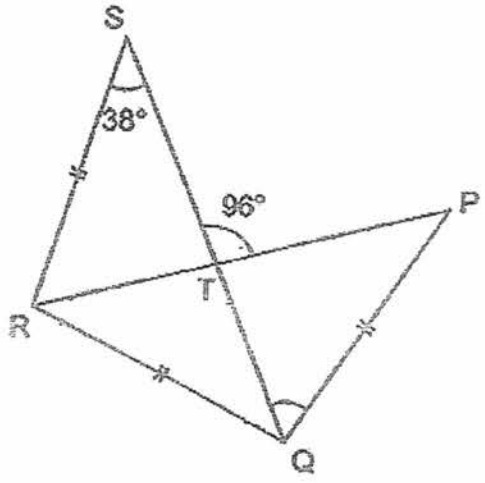
Ans: _____ [4]

/ 4

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14. In the diagram below, PTR and QTS are straight lines. PQ = QR = RS. ∠PTS = 96° and ∠QSR = 38°. Find ∠PQT.

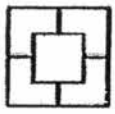
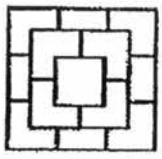
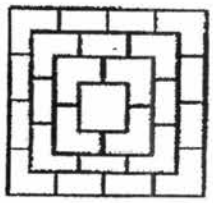
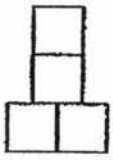
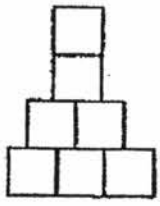
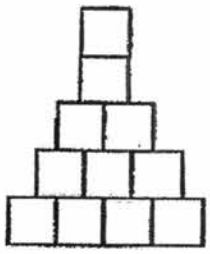


Ans: _____ [3]

/ 3

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15. Jonathon stacked identical 1-cm cubes together to form solids that follow a pattern. The top view and front view of the first three solids are shown below. The front view and side view of each solid are the same.

	Solid 1	Solid 2	Solid 3
Top view			
Front view			

(a) The table below shows the number of cubes used for each solid. Complete the table using the pattern above. [2]

	Number of cubes used
Solid 1	
Solid 2	
Solid 3	

(b) Find the volume of Solid 5.

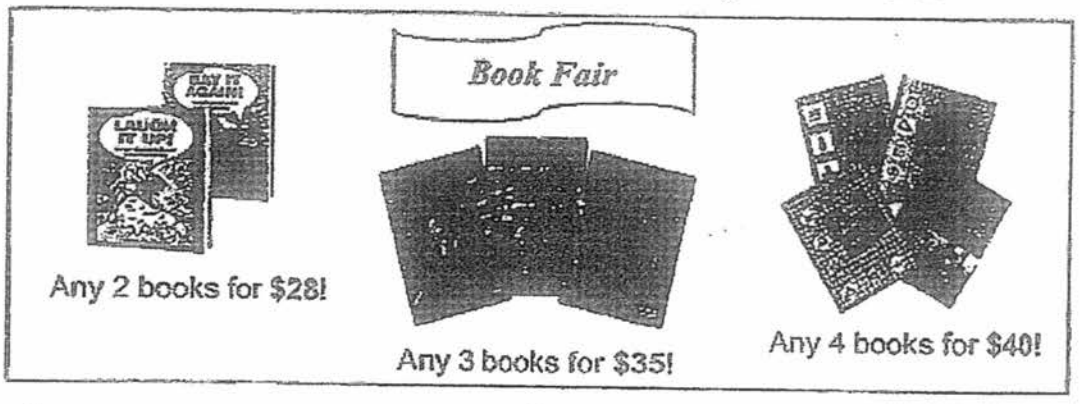
Ans: (b) _____ [2]

/ 4

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16. Some pupils attended a book fair. Each of them bought some books.



$\frac{1}{4}$ of the pupils bought 2 books each. $\frac{3}{5}$ of the pupils bought 3 books each.

The rest of the pupils bought 4 books each.

A total of 2668 books were sold to the pupils at the book fair.

(a) How many pupils attended the book fair?

(b) What was the total amount collected from the sale of books to these pupils?

Ans: (a) _____ [3]

(b) _____ [2]

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17. Dylan, Ahmad and Marvin had 252 marbles altogether. Ahmad gave some of his marbles to Marvin and the number of Marvin's marbles doubled. Marvin then gave some of his marbles to Dylan and the number of Dylan's marbles also doubled. In the end, all of them had the same number of marbles each.
How many marbles did Ahmad have at first?

Ans: _____ [5]



/ 5

Remember to check your work! Every mark counts.

~ End of Paper ~

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YEAR : 2017

LEVEL : PRIMARY 5

SCHOOL : MAHA BODHI SCHOOL

SUBJECT : MATHEMATICS

TERM : SA2

Paper 1

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

Q16 45

Q17 School

Q18 233

Q19 4 minutes

Q20 24 seashells

Q21 19

Q22 2/5

Q23 $28.80

Q24 1320

Q25 1:4

Q26 3/5

Q27 $13.50

Q28 66cm

Q29 70°

Q30 55g

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Paper 2

Q1 0.2%=0.2/100

=1/500

Q2 98÷2=49

49×2=98

Q3 16-1=15

(11.95×15)÷5=35.85m

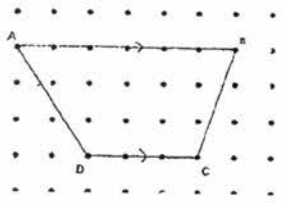
Q4 45÷2=22 R1

22÷2=11

22×11=242 squares

Q5 $1.50+(4×$0.50)=$3.50

Q6 a)



b) 70 °

Q7 (2×$24)+$58=$132.50

Q8 A : B+C A : B : C

3 : 8 3 : 3 : 5(a)

36×11÷2=198 sweets(b)

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Q9 30%=3/10

20% of remaining=1/5×7/10

=7/50

(15×28)÷50=8.4m

Q10 16.29-0.35-0.35-0.4=15.12

15.12÷3=5.04m

5.04÷0.35=5.39m

Q11

Cows	Chickens	Total
Number of Cows/legs	Number of Cows/legs	legs
19/76	67/134	210

67-19=48

Q12 180°-78°-35°=67°(a)

180°=67°-35°=78°

180°-78°=102°(b)

Q13 5×14=70

70-13-12-9=36

(36×5) ÷6=30

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Q14 $180°-96°-38°=46°$

$180°-46°-46°-38°=\underline{50°}$

Q15 a)6,15,31

$2+(2^2)+(3^2)+(4^2)+(5^2)+(6^2)=92$

$92\times(1\times1\times1)=\underline{92cm^3}$

Q16 $(5\times2)+(12\times3)+(20-12-5)\times4=58$

$2668\div58=46$

$(5\times46)+(12\times46)+(3\times46)=\underline{920(a)}$

$(5\times\$28)+(12\times\$35)+(3\times\$46)=\$680$

$\$680\times46=\underline{\$31280(b)}$

Q17

Dylan	Ahmad	Marvin
(In the end) 84	84	84
+42		84+42=126
42	84	126
	-63	+63
42 (at first)	147	63

$252\div3=84$

ANS:<u>147 marbles</u>

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