Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2017)
PRIMARY 5
MATHEMATICS
PAPER 1
Booklet A

Monday   **15 May 2017**   **1h**

Name: _____ (Class: 5.(   )

INSTRUCTIONS TO PUPILS

1   Do not turn over the pages 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   You are **not** allowed to use a calculator for this paper.

This question paper consists of 7 printed pages (inclusive of cover 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 (OAS).   (20 marks)

1.   In 9 243 678, the digit 4 is in the _____ place.

    1)   hundreds

    2)   thousands

    3)   ten thousands

    4)   hundred thousands

2.   What is the value of $\dfrac{4}{7}$ of 84 ?

    1)   12

    2)   16

    3)   21

    4)   48

3.   Which of the following is **not** the same as 22 ÷ 8?

    1) $\dfrac{11}{4}$

    2) $2\dfrac{1}{2}$

    3) $2\dfrac{6}{8}$

    4)   2.75

A2

4. $7\,250\,720 = 7\,000\,000 + 25 \times \boxed{} + 700 + 20$

What is the missing number in the box?

1)   100
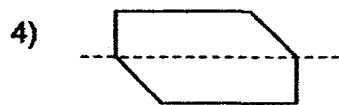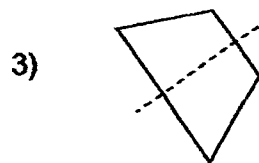2)   1000
3)   10 000
4)   100 000
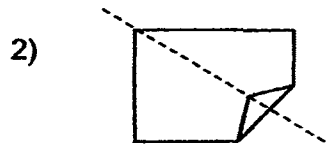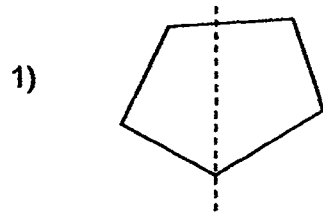
5.   In the table below, Coach Ong recorded the number of successful throws his students made in a training session.

Number of successful throws	0	1	2	3	4
Number of students	4	10	15	8	2

How many pupils made 2 or more successful throws?

1)   10
2)   14
3)   25
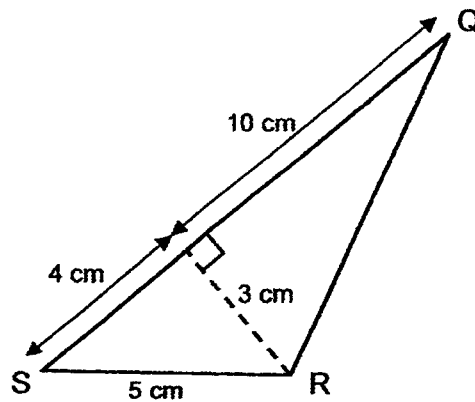4)   29

6.   Which one of the figures below has a line of symmetry?

1)

2)

3)

4)

7.   What is 3 h 15 min before noon?

1)   3.15 p.m.

2)   8.45 a.m.

3)   8.45 p.m.

4)   9.45 a.m.

8. What is the area of triangle QRS as shown in the figure below?


1) 20 cm²
2) 21 cm²
3) 35 cm²
4) 42 cm²

9. $18 : 63 = 2 : \boxed{}$

Find the missing number in the box.

1) 7
2) 9
3) 45
4) 567

10. There is 20 ml of water in Container A and 2 litres of water in Container B. What is the ratio of the amount of water in Container A to the amount of water in Container B?

1) 1 : 10
2) 1 : 100
3) 1 : 1000
4) 1 : 10000

11. Mrs Lee had 40 kg of flour. She used $\frac{3}{8}$ of it to bake some cakes and gave $\frac{1}{5}$ of it to her neighbour. How much flour was she left?

1) 8 kg
2) 15 kg
3) 17 kg
4) 23 kg

12. Wei Jie was facing ~~was facing~~ South-West. He made a $\frac{3}{4}$ anti-clockwise turn. He then made a 135° clockwise turn. Which direction is he facing now?

1) North
2) East
3) South-East
4) North-East
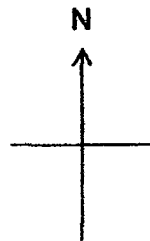
13. The ratio of the number of stamps Ali has to the number of stamps Ben has is 2 : 5. Given that Ben has 420 more stamps than Ali, how many stamps does Ben have?

1) 300
2) 700
3) 980
4) 1050

14. A shop gave a discount of $5 for every $20 spent. Joshua bought a watch from the shop and paid $58. What was the price of the watch before the discount?

   1) $68
   2) $73
   3) $78
   4) $83

15. A table with 4 columns is filled with numbers in a certain pattern. The first 6 rows of the tables are shown below.

	Column W	Column X	Column Y	Column Z
Row 1	1	2	3	4
Row 2	7	6	5	5
Row 3	8	9	10	10
Row 4	14	13	12	11
Row 5	15	15	16	17
Row 6	20	20	19	18
⋮	⋮	⋮	⋮	⋮

In which column, will the number 151 appear?

   1) W
   2) X
   3) Y
   4) Z

END OF BOOKLET A

SEMESTRAL ASSESSMENT 1 (2017)

PRIMARY 5

MATHEMATICS

PAPER 1

Booklet B

Monday   **15 May 2017**   **1h**

INSTRUCTIONS TO PUPILS

1   Do not turn over the pages until you are told to do so.

2   Follow all instructions carefully.

3   Answer ALL questions.

4   You are **not** allowed to use a calculator for this paper.

This question paper consists of 9 printed pages (inclusive of cover page).

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. What is the value of $238 + (48 - 36) \div 3 \times 7$?

Ans:_____

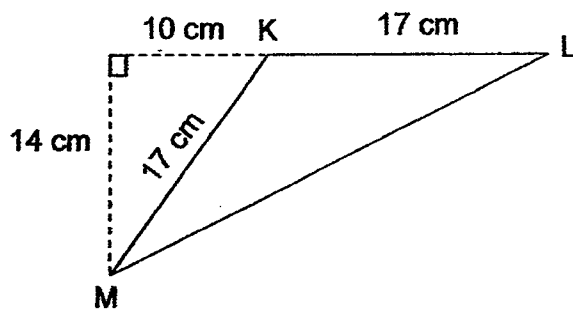17. How many tenths are there in $2\dfrac{2}{5}$?

Ans:_____

18. Sue had 2 fifty-dollar notes in her wallet. After buying some books at a book fair, she had $49.95 left. How much did she spend on the books?

Ans: $_____

Sub-Total :

19. The figure below is not drawn to scale. Find the area of triangle KLM.

10 cm K   17 cm   L

14 cm

17 cm

M

Ans: _____ cm²

20. A box contains 28 red balls, 12 blue balls and 6 yellow balls. Find the ratio of the number of red balls to the number of the blue balls and to the number of the yellow balls. Give your answer in its simplest form.

Ans: _____

Sub-Total :

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 fruit seller puts a total of 120 apples in two boxes. There are 7 times as many apples in Box A as in Box B. How many more apples are there in Box A than in Box B?
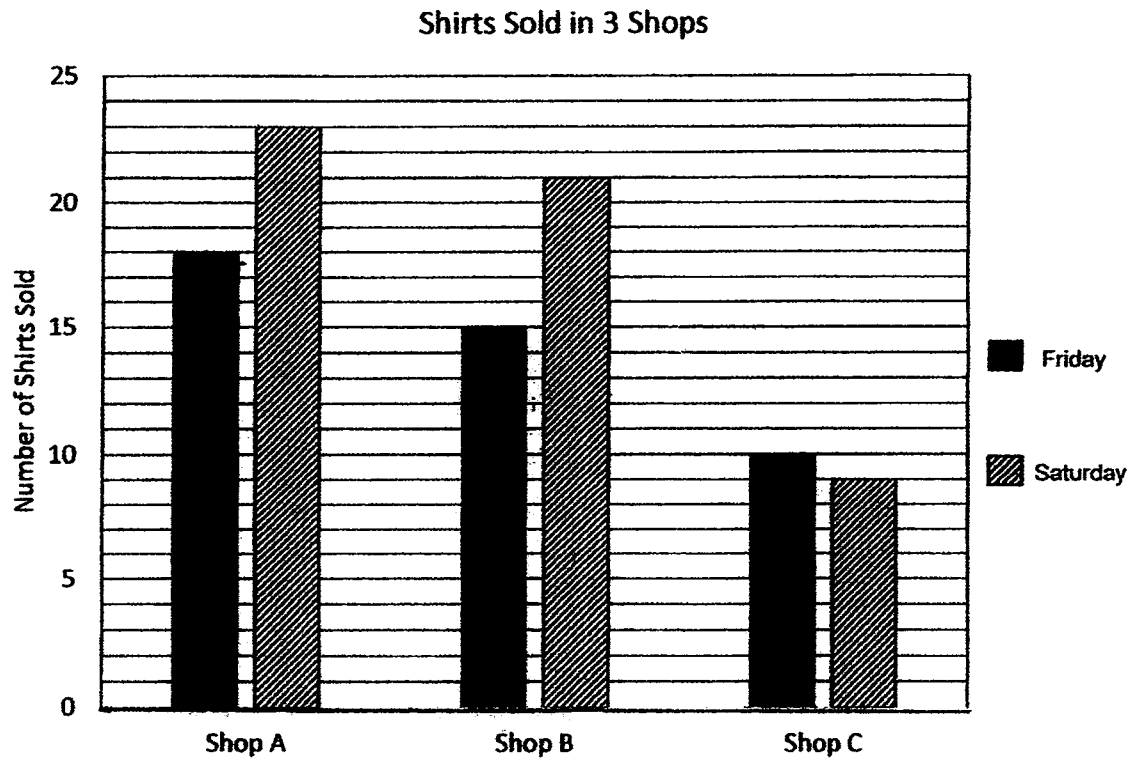
Ans:_____

22. Mary and Rena cut a rope of 4 m into two pieces. Mary's rope is 4 times as long as Rena's rope. How long is Mary's rope? Give your answer as a mixed number in its simplest form.
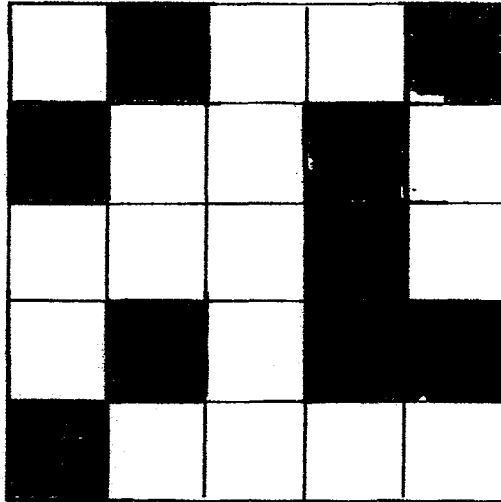
Ans: _____ m

Sub-Total : [   ]

23. The bar graph below shows the number of shirts sold by 3 shops on Friday and Saturday.

Shirts Sold in 3 Shops

Find the difference between the total number of shirts sold by the 3 shops on Saturday and on Friday?
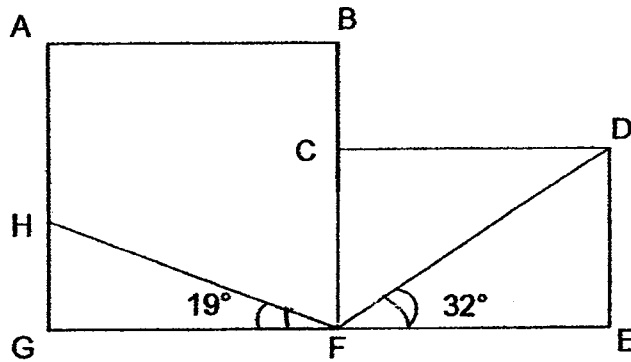
Ans:_____

Sub-Total :

24. The figure below is made up of squares.
Shade **two** more squares so that the figure has a line of symmetry.

25. Faris, Giri and Henry shared some money in the ratio 7 : 5 : 3.
Faris received $42. How much more money did Giri receive than Henry?

Ans: $_____

Sub-Total :

26. In the figure below, ABFG is a square and CDEF is a rectangle.
∠DFE = 32° and ∠HFG = 19°. Find ∠HFD.

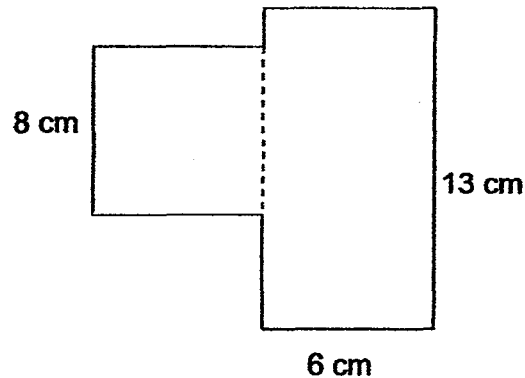A   B

C   D

H

19°   32°

G   F   E

Ans: _____°

27. Emily has some red and green beads. $\dfrac{7}{11}$ of the beads are green. She has 210 more green beads than red beads. Find the number of green beads Emily has.

Ans:_____

Sub-Total :

28. The figure below is made up of a square and a rectangle. Find the perimeter of the figure.
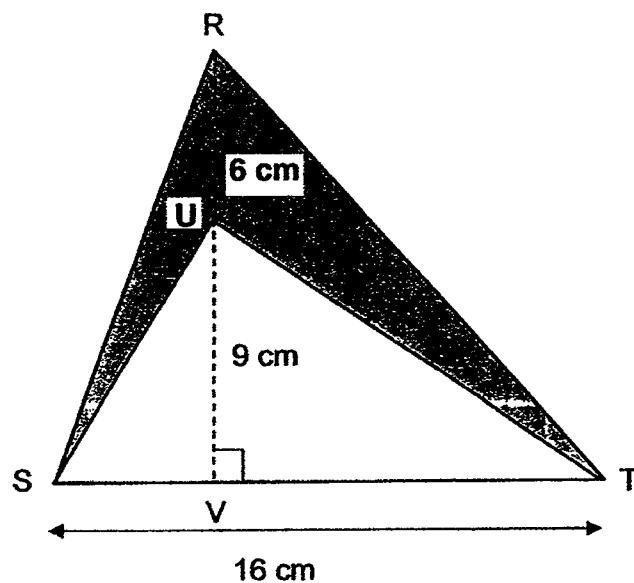
8 cm

13 cm

6 cm

Ans:_____ cm

29. Mr See has some marbles to give to his pupils. If he gives each of his pupils 4 marbles, he will have 68 marbles left. If he gives each of his pupils 6 marbles, there will be no remainder. How many marbles does Mr See have?

Ans:_____

Sub-Total :

30. In triangle RST, RU = 6 cm, UV = 9 cm and ST = 16 cm. Find the area of the shaded part.

Ans:_____cm²

END OF BOOKLET B

B9   Sub-Total :

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 1 (2017)
PRIMARY 5
MATHEMATICS
PAPER 2

Monday   15 May 2017   1h 30min

Name: Signature:_____

INSTRUCTIONS TO PUPILS

1   Do not turn over the pages until you are told to do so.

2   Follow all instructions carefully.

3   Answer ALL questions.

4   You can use a calculator for this paper.

Paper	Booklet	Possible Marks	Marks Obtained
1	A	20	
	B	25	
2		55	
Total		100	

This question paper consists of 14 printed pages (inclusive of cover page).

Questions **1** to **5** 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.   **(10 marks)**

1.   Jeremy went to watch a Star Wars movie that lasted for 2 h 13 min. The movie ended at 00 08 the <u>next day</u>. At what time did the movie start? (Give your answer in the 24-hour clock format.)

Ans: _____

2.   In the figure below, ABCD is a square and BCE is a triangle. Find the area of the shaded part.

Ans: _____ cm²

Sub-Total :
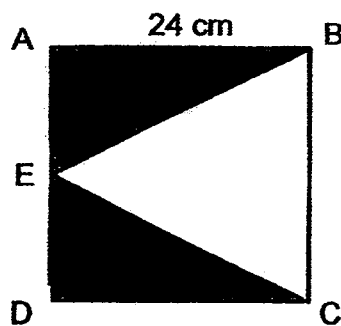
3. Nigel and Reuben share a sum of money in the ratio 4 : 5. After giving away $457, Reuben has $1538 left. Find the sum of money shared by Nigel and Reuben.

Ans: $_____

4   Mdm Sharifah bought $2\frac{4}{5}$ kg of prawns. She bought $3\frac{2}{7}$ kg of prawns less ~~more than~~ Mdm Tan. What was the total mass of prawns bought by Mdm Sharifah and Mdm Tan? Leave your answer in mixed number in its simplest form.

Ans: _____ kg

3

5. Mr Tan paid a total of $3840 for his new television set. He paid $600 at first. For the remaining amount, he paid a fixed amount every month for the next 24 months. How much did he pay each month?

Ans: $_____

Sub-Total :

For Questions **6** to **17**, show your working clearly 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. Ravi bought 18 more egg tarts than Ailing. Jessie bought 3 times as many egg tarts as Ravi. All the three girls bought a total of 187 egg tarts. How many egg tarts did Ravi and Ailing buy altogether?
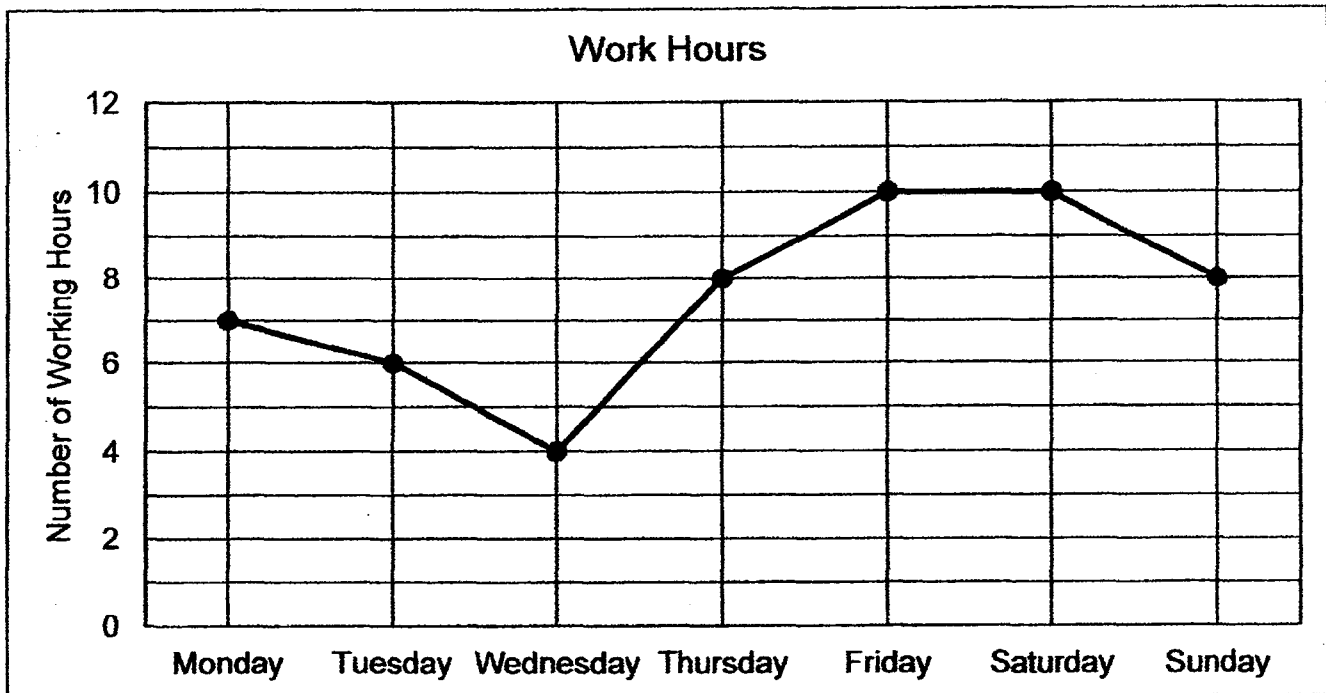
Ans: _____ [3]

7. Paul had a box of stickers. He gave 358 stickers to Joseph and 424 stickers to Vincent. After that, he gave half of the number of the stickers he had left to Joel. Paul had 364 stickers in the end. How many stickers did Paul have at first?

Ans: _____ [3]

5

Sub-Total :

8. The line graph below shows the number of hours a waiter worked in a week.

Work Hours

a) How many hours did the waiter work in the week?

b) The waiter is paid $8 an hour from Monday to Friday and $12 an hour on Saturday and Sunday. Calculate the waiter's total pay for the week.

Ans: (a)_____ [1]

(b)_____ [2]

6   Sub-Total :

9. There were 138 adults and some children at a concert. $\frac{2}{3}$ of the children were boys and the rest were girls. Given that $\frac{2}{9}$ of the people at the concert were girls, how many people were at the concert?

Ans: _____ [3]

10. Mrs Heng made a fruit drink using apple, orange and kiwi juice in the ratio 2 : 5 : 4. The total amount of apple and kiwi juice used was 12 litres. Find the total amount of the mixed fruit drink Mrs Heng had made.

Ans: _____ [3]

Sub-Total :

11. A salesperson sells bags for a shop. She is paid $6 for every bag she sells. The salesperson is also paid an extra $5 for every 10 bags she sells.

a) How much will she earn altogether for selling 10 bags?

b) How much will she earn altogether for selling 125 bags?

Ans: (a) _____ [1]

(b) _____ [3]

Sub-Total :

12. Jane and Michelle shared $775. After Jane had spent $\frac{1}{5}$ of her money and Michelle had spent $\frac{1}{4}$ of her money, Jane and Michelle had the same amount of money left.

a) What fraction of Jane's money had she left?
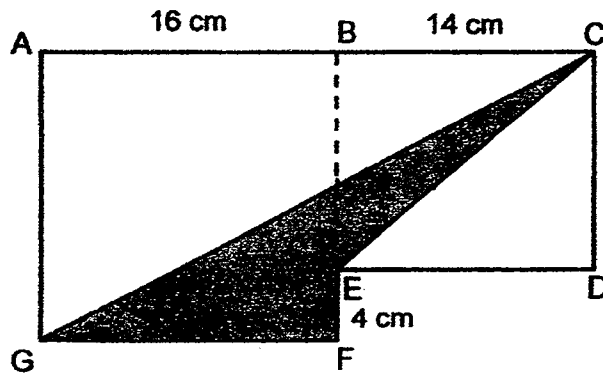
b) How much money did Jane have at first?

Ans: (a) _____ [1]

(b) _____ [3]

Sub-Total :

13. The figure below is made up of a square ABFG and a rectangle BCDE. CG is a straight line. AB = 16 cm, BC = 14 cm and EF = 4 cm.

a) Find the total area of square ABFG and rectangle BCDE.
b) Find the area of the shaded part.

Ans: (a) _____ [2]

(b) _____ [2]

Sub-Total :

14. Alex formed the patterns below using some sticks.

| Pattern 1 | Pattern 2 | Pattern 3 | Pattern 4 |

a) The table below shows the number of sticks used for each pattern. Complete the table for Pattern 5 and 6.

Pattern Number	Number of sticks used
1	9
2	13
3	17
4	21
5	
6	

b) How many sticks would Alex need for Pattern 20?

c) What is the total number of sticks Alex would need to form Pattern 1 to Pattern 20?

Ans: (b)_____ [1]

(c)_____ [2]

Sub-Total :

15. Wendy has 3 times as many sweets as Xander. Yvonne has 2 times as many sweets as Wendy. Xander has 195 sweets less than Yvonne.

a) What is the ratio of the number of sweets Yvonne has to the number of sweets Xander has?

b) Wendy, Xander and Yvonne packed all their sweets into packets. Each packet could contain a maximum number of 8 sweets. What is the **least** number of packets needed to pack all the sweets?

Ans: (a) _____ [1]

(b) _____ [3]

12

Sub-Total :

16. Three boys, Adam, Brent and Clive had the same number of notes. Adam and Brent each had a mixed of two-dollar and five-dollar notes. Adam had 8 two-dollar notes while Brent had 15 two-dollar notes. Clive had only five-dollar notes.

a) Of the three boys, who had the least amount of money?

b) How much more does Adam have than Brent?

c) Brent used all his $5 notes to buy a bag. He then had $110 less than Clive. How many five-dollar notes does Clive have?

Ans: (a)_____ [1]

(b)_____ [2]

(c)_____ [2]
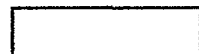
17. Mr Chua spent $\frac{1}{3}$ of his money on 6 pairs of socks and 10 T-shirts from a Sports shop. The cost of each T-shirt is thrice the cost of each pair of socks. He bought some more T-shirts with $\frac{3}{4}$ of his remaining money.

a) How many T-shirts can Mr Chua buy with the money he spent on the 6 pairs of socks?

b) How many T-shirts did Mr Chua buy altogether?

Ans: (a)_____ [1]

(b)_____ [4]

End of Paper 2

Sub-Total :

School: ACS Junior
Level: P5
Subject: Maths
Term: SA1
Year: 2017

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

Q16) 266   Q17) 24   Q18) $50.05   Q19) 119   Q20) 14 : 6 : 3
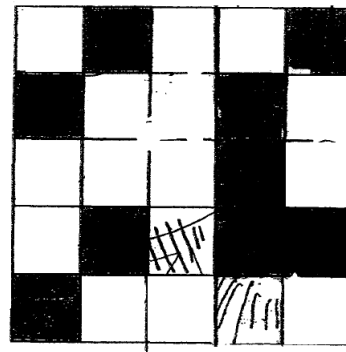
Q21) 90   Q22) 3.2 m   Q23) 10   Q24)   Q25) $12

Q26) 129   Q27) 490   Q28) 54   Q29) 204   Q30) 48

Paper 2

Q1)   21 55
Q2)   (0.5 x 24 x 24) = 288
Q3)   1538 + 457 = 1995
       5U = 1995
       1U = 399
       9U = $3591

Q4) $2\frac{4}{5} = 2\frac{28}{35}$

$3\frac{2}{7} = 3\frac{10}{35}$

$2\frac{28}{35} + 3\frac{10}{35} = 6\frac{3}{35}$

$6\frac{3}{35} + 2\frac{28}{35} = 8\frac{31}{35}$

Q5) 3840 – 600 = 3240
3240 ÷ 24 = 135

Q6) 18 x 4 = 72
187 – 72 = 115
5U = 115
U = 23
23 x 2 + 18 = 64

Q7) 364 x 2 = 728
728 + 424 + 358 = 1510

Q8) a) 53
     b) 10 + 7 + 10 + 8 = 35
         35 x 8 = $280
         18 x 12 = $216
         $216 x $280 = $496

Q9) 3U = 138
1U = 46
46 X 9 = 414

Q10) 6U = 12
1U = 2
2 + 5 + 4 = 11
11U = 2 x 11 = 22

Q11) a) 10 x 6 + 5 = $65
     b) 125 ÷ 10 = 12 R 5
         12 x 65 = 780
         5 x 6 = 30
         780 + 30 = $810

Q12) a) $1 - \frac{1}{5} = \frac{4}{5}$
     b) 31U = 775
         1U = 25
         25 x 15 = $375

Q13) a) 16 x 16 + 14 x 12 = 424
     b) 0.5 x 16 x 30 + 0.5 x 14 x 12 = 324
         424 – 324 = 100

Q14) a) 25, 29
     b) 20 x 4 + 5 = 85
     c) 940

Q15) a)   6 : 1
      b)   5U = 195
             1U = 39
             39 X 10 = 390
             390 ÷ 8 = 48 R 6
             48 + 1 = 49
Q16) a)   Brent
      b) $21
      c)   28
Q17) a)   6 ÷ 3 = 2
      b)   28

<div align="center">End</div>