Anglo-Chinese School (Junior)

END-OF-YEAR EXAMINATION (2023)

PRIMARY 4
MATHEMATICS
Booklet A

31 October 2023

Total Time for Booklet A and Booklet B : 1 hour 45 minutes

Name: _____ ( ) Class: 4.( )

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. Use a 2B pencil to shade your answers on the Optical Answer Sheet (OAS).
5. The use of calculators is **NOT** allowed.

This booklet consists of 8 printed pages.

Section A

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). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet (OAS). (40 marks)

1. In which of the following numbers does the digit 3 stand for 300?

   1) 6903
   2) 9630
   3) 3690
   4) 9360

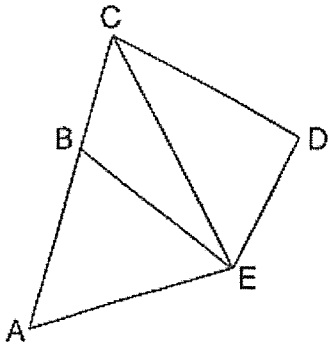
2. Which of the following is **not** an equivalent fraction of $\frac{1}{4}$?

   1) $\frac{2}{8}$
   2) $\frac{3}{12}$
   3) $\frac{5}{16}$
   4) $\frac{6}{24}$

3. Which of the following decimals is the greatest?

   1) 0.357
   2) 0.324
   3) 0.068
   4) 0.199

4. In the figure, which two lines below are perpendicular?



1) AB and BE
2) BE and CB
3) BE and CD
4) DE and CD

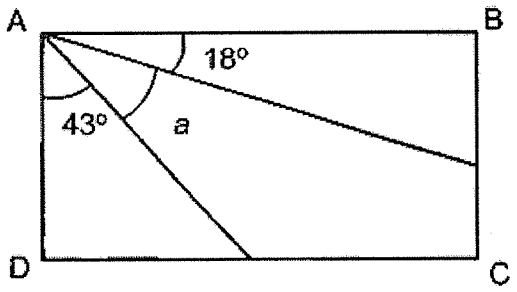
5. Which of the following numbers when rounded to the nearest ten becomes 72 400?

1) 72 349
2) 72 396
3) 72 405
4) 72 443

6. Express 0.05 as a fraction in its simplest form.

1) $\frac{1}{20}$
2) $\frac{1}{2}$
3) $\frac{1}{10}$
4) $\frac{1}{5}$

7. In the figure, ABCD is a rectangle. Find $\angle a$.



1) 29°
2) 39°
3) 61°
4) 72°

8. The table shows the number of pets kept by a group of children.

Number of pets	0	1	2	3	4
Number of children	10	17	5	8	2

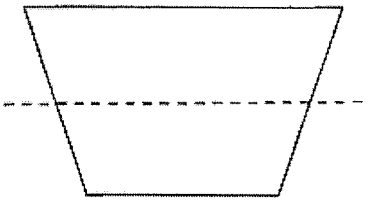
How many children have **more** than 1 pet?

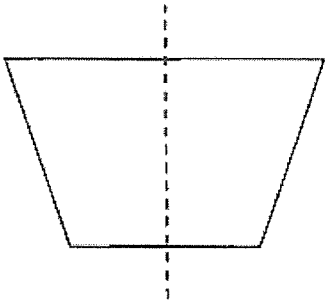
1) 32
2) 27
3) 17
4) 15

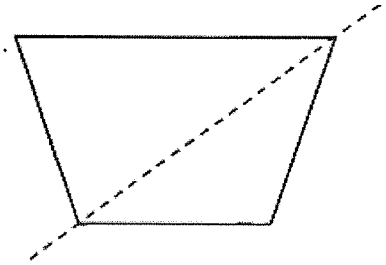
9. A flight took off from Singapore at 22 50 and arrived in Taiwan at 04 05 the next day. How long was the flight?

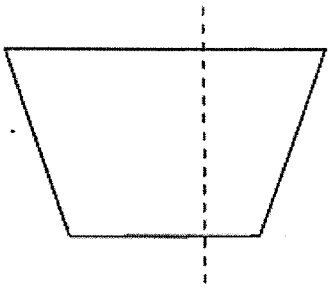
1) 5 h 15 min
2) 5 h 55 min
3) 6 h 15 min
4) 6 h 55 min

10. Which of the dotted line is a line of symmetry?

1) 

2) 

3) 

4) 

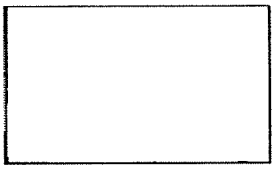
11. The table below shows the number of students in 3 CCAs in a class. Each student is in one CCA only.

CCA	No. of students
Badminton	15
Swimming	5
Tennis	?

There are 38 students in the class. How many students are in Tennis CCA?

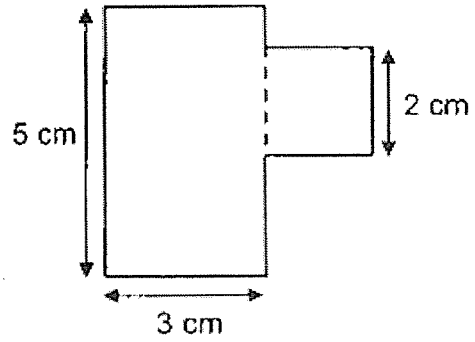
1) 18
2) 20
3) 23
4) 33

12. Which of the following statements about a rectangle is **not** correct?



1) All angles in a rectangle are equal.
2) Opposite sides of a rectangle are equal in length.
3) There is only one pair of parallel lines in a rectangle.
4) There are 4 pairs of perpendicular lines in a rectangle.

13. The figure is made up of a square and a rectangle. What is the perimeter of the figure?



1) 16 cm
2) 19 cm
3) 20 cm
4) 22 cm

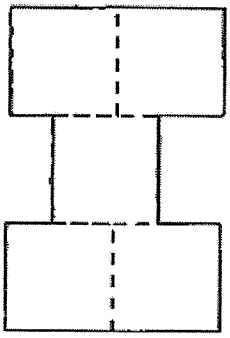
14. I am a multiple of 4. When 5 is added to me, I am a multiple of 7. What number am I?

1) 16
2) 28
3) 32
4) 36

15. There were 460 children at Sports Day Carnival. There were 140 more boys than girls. How many girls were there?

1) 160
2) 300
3) 320
4) 370

16. The figure below is made up of 5 identical squares. The area of each square is 36 cm^2. What is the perimeter of the figure?



1) 60 cm
2) 72 cm
3) 120 cm
4) 180 cm

17. Siti and Tina had the same number of beads at first. After Siti threw away 24 beads and Tina bought another 84 beads, Tina had 4 times as many beads as Siti. How many beads did Siti have at first?

1) 39
2) 44
3) 51
4) 60

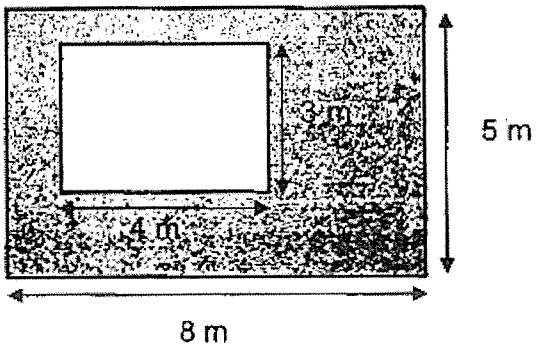
18. A fruit seller had 30 boxes of pineapples. There were 24 pineapples in each box. He sold all the pineapples at 6 for $18. How much money did he receive?

1) $2160
2) $2592
3) $3240
4) $4320

19. Nancy and Peter bought a sofa. The sofa cost $1200. Nancy paid $\frac{3}{8}$ of the cost of the sofa. How much **more** did Peter pay than Nancy?

1) $150
2) $300
3) $450
4) $750

20. The figure below is made up of 2 rectangles. What is the shaded area?



1) 52 m^2
2) 40 m^2
3) 28 m^2
4) 12 m^2

End of Booklet A

Anglo-Chinese School (Junior)

END-OF-YEAR EXAMINATION (2023)

PRIMARY 4
MATHEMATICS
Booklet B

31 October 2023

Total Time for Booklet A and Booklet B : 1 hour 45 minutes

Name: _____ ( ) Class: 4.( )

Parent's Signature: _____

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. Use a dark blue or black ballpoint pen to write your answers in the space provided for each question.
5. The use of calculators is **NOT** allowed.

Booklet	Section	Possible Marks	Marks Obtained
A	A	40	
B	B	40	
	C	20	
Total		100	

This question paper consists of 15 printed pages and 1 blank page.

Blank Page

Section B

Questions **21** to **40** carry 2 marks each. Show your working clearly and write your answers in the boxes provided. For questions which require units, give your answers in the units stated. (40 marks)

21. Write the missing number in the number pattern below.

6649 , 6799 , 6949 , _____ , 7249

22. Write $3\frac{4}{5}$ as an improper fraction.

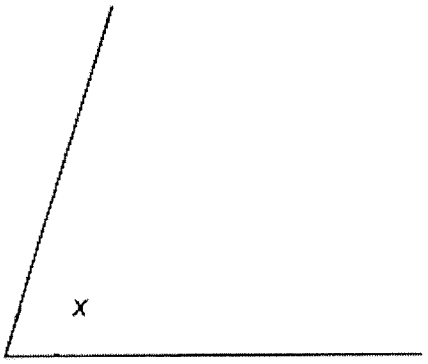
23. 23.85 + 0.19 = _____

Sub-Total :

24. Find the value of 6.84×7.

25. What is the remainder when 1964 is divided by 8?

26. Measure and write down the size of $\angle x$.



Sub-Total :

27. Which two of the fractions below are in the simplest form?

$\frac{2}{3}$, $\frac{3}{6}$, $\frac{4}{8}$, $\frac{5}{9}$

28. Arrange the following numbers from the smallest to the greatest.

$\frac{3}{4}$, 0.705, 0.075

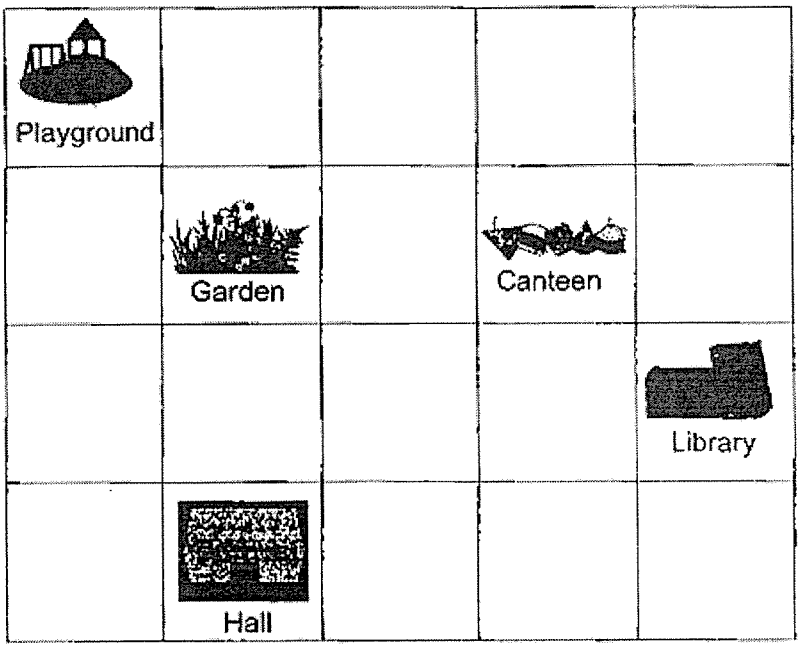
_____ (smallest) , _____ , _____ (greatest)

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

Sub-Total :

30. Sumin took 45 min to walk from her home to school. She was 30 min early for the school concert. The concert started at 5 p.m. At what time did she leave her house? Give your answer in the 24-hour clock.

31. The square grid below shows the plan of a school.

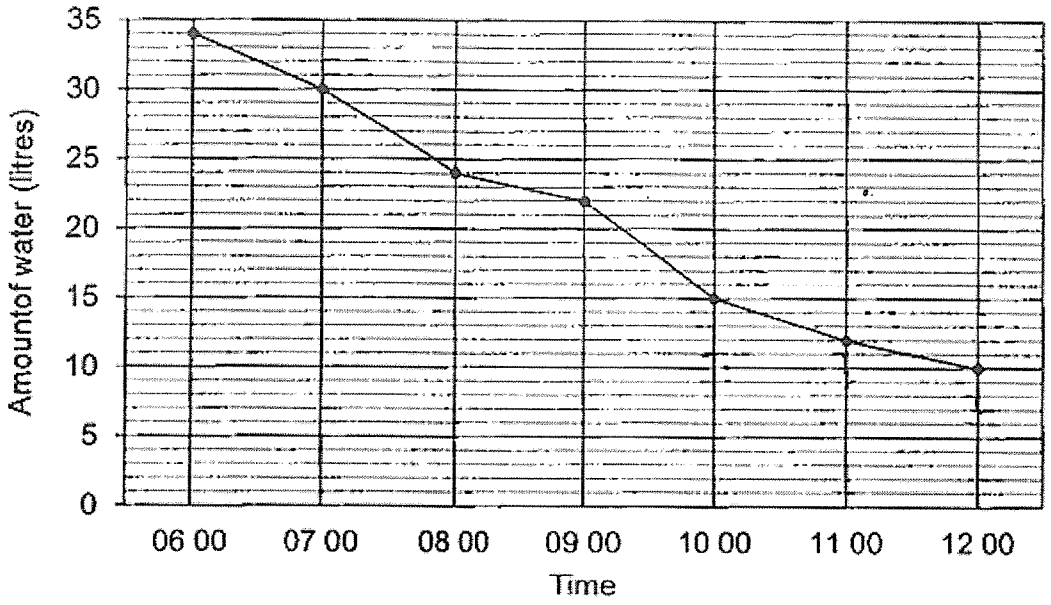


(a) In what direction is the canteen from the hall?

(b) The school wants to build a fitness corner. The location of the fitness corner is west of the library and south-east of the playground. Put a tick (✓) in the square where the fitness corner will be built.

Sub-Total :

The graph below shows the amount of water in a tank from 06 00 to 12 00. Study the graph carefully and answer Question 32 and 33.



32. During which 1-hour interval was the decrease in the amount of water the greatest?

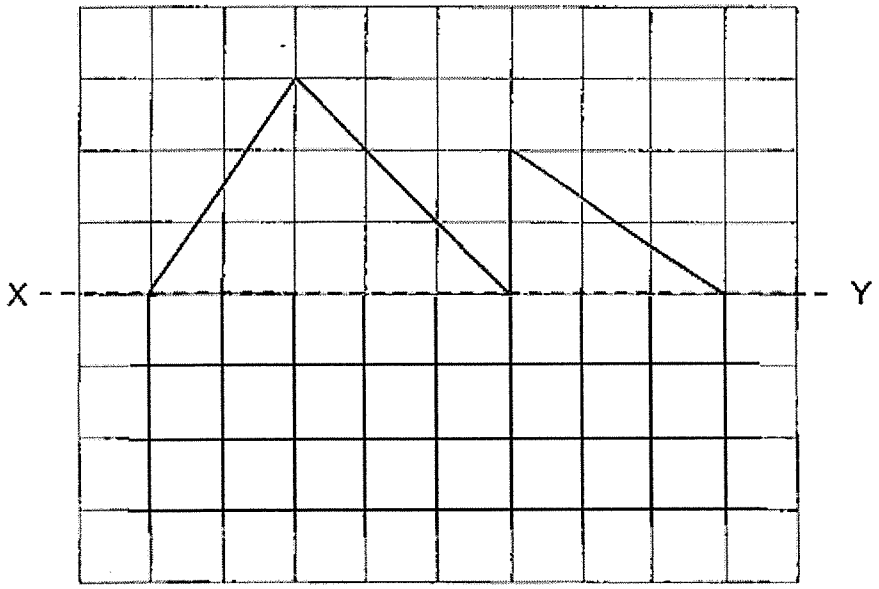
33. The amount of water in the tank at 08 00 was 3 times the amount of water at 13 00. How much water was there in the tank at 13 00?

ℓ

Sub-Total :

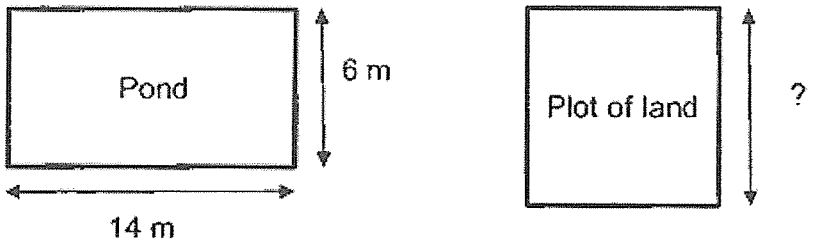
34. There are 174 fruits in a basket. $\frac{1}{3}$ are apples and the rest are pears.
How many pears are there?

35. Complete the figure below with XY as the line of symmetry.



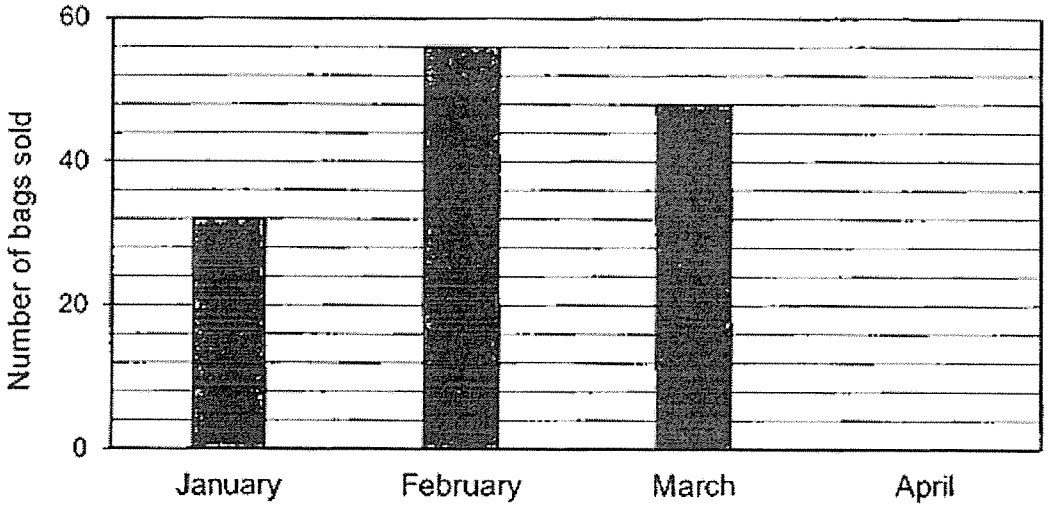
Sub-Total :

36. A rectangular pond, 14 m long and 6 m wide, has the same perimeter as a square plot of land. What is the length of one side of the square plot of land?



m

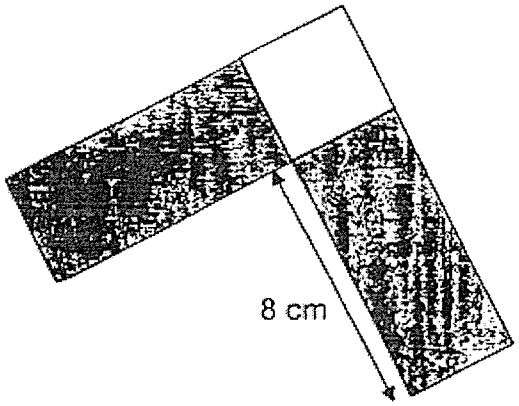
37. The graph below shows the number of bags Mr. Tan sold from January to April. The bar for April is not drawn.



Mr. Tan sold a total of 156 bags from February to April. What is the number of bags sold in April?

Sub-Total :

38. The figure below is made up of 2 identical rectangles and a square. The total area of the 2 shaded rectangles is 64 cm². What is the length of the square?

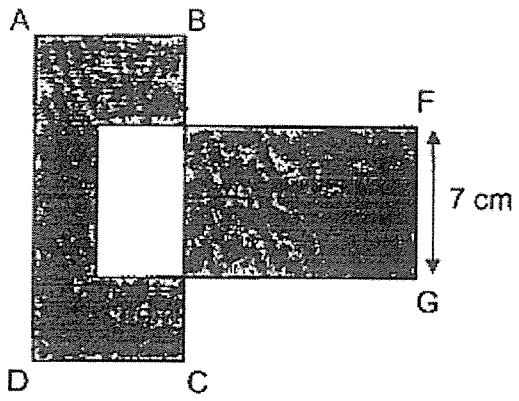


cm

39. Siti had the same number of $2 and $5 notes. She had a total of $252. How many $2 notes did she have?

Sub-Total :

40. In the figure, ABCD and EFGH are identical rectangles. The area of each rectangle is 112 cm^2. Find the shaded area.



cm^2

Sub-Total :

Section C

For questions **41** to **45**, 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. (20 marks)

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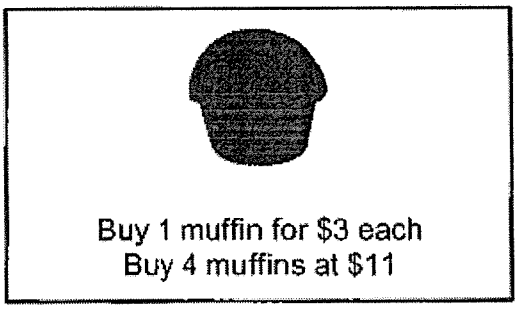
41. A stall had a promotion.



Mandy bought 49 muffins. What was the least amount of money Mandy had to pay for the 49 muffins?

Ans: _____ [4]

Sub-Total : ☐

42. James had $16.40. He wanted to buy 3 notebooks and 1 pencil case , but he was short of $3.30.

(a) What was the total cost of the 3 notebooks and 1 pencil case ?

Ans: (a) _____ [1]

(b) The pencil case cost $2.90 more than each notebook. What was the cost of 1 notebook?

Ans: (b) _____ [3]

Sub-Total : [ ]

43. Venus and Melvin were given some money. Venus spent $\frac{1}{4}$ of her money and had $141 left.

(a) How much did Venus spend?

Ans: (a) _____ [1]

(b) Melvin spent two times as much as Venus. He had $\frac{2}{3}$ of his money left. How much did Melvin have in the end?

Ans: (b) _____ [3]

Sub-Total :

44. Sarah gives some erasers equally to her friends. If she gives 6 erasers to each friend, she will need another 4 erasers. If she gives 5 erasers to each friend, she will have 3 erasers left.

(a) How many friends does Sarah have?

Ans: (a)_____ [2]

(b) How many erasers does Sarah have?

Ans: (b) _____ [2]

Sub-Total :

45. Lydia had twice as much money as Kenneth at first. Kenneth then gave Lydia $24. In the end, Lydia had 4 times as much money as Kenneth. How much money did Kenneth have at first?

Ans: _____ [4]

End of Booklet B

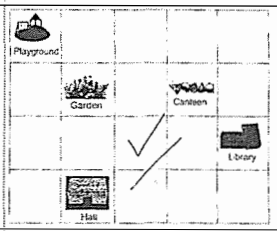
Sub-Total : [ ]

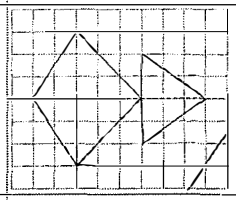
SCHOOL : ACS PRIMARY SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2023 SA 2

SECTION A

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

SECTION B

Q21	7099
Q22	$\frac{19}{5}$
Q23	24.04
Q24	47.88
Q25	4
Q26	73°
Q27	$\frac{2}{3}$, $\frac{5}{9}$
Q28	0.075, 0.705, $\frac{3}{4}$
Q29	5, 2
Q30	1545
Q31a	North-East
Q31b	
Q32	0900 to 1000
Q33	Amt. of water at 0800 = 24 ℓ Amt. of water at 1300 = 24 ÷ 3 = **8 ℓ**

Q34	3u = 174 1u = 174 ÷ 3 = 58 2u = 58 x 2 = **116**
Q35	
Q36	Perimeter of square = 14 + 14 + 6 + 6 = 40 m Length of 1 side of square = 40 ÷ 4 = **10 m**
Q37	156 - 32 - 56 - 48 = **52**
Q38	Area of 1 shaded rectangle = 64 ÷ 2 = 32 cm^2 Length of square = 32 ÷ 8 = **4 cm**
Q39	Group 1 $2 note and 1 $5 note as 1 group Total value of 1 group = $2 + $5 = $7 $252 ÷ $7 = **36**
Q40	Unshaded area = 7 x 5 = 35 cm^2 Shaded area = (2 x 112) - (35 x 2) = **154 cm^2**

SECTION C

Q41	49 ÷ 4 = 12 R 1 12 x $11 = $132 $132 + $3 = **$135**
Q42a	$16.40 + $3.30 = **$19.70**
Q42b	4u = $19.70 - $2.90 = $16.80 1u = $16.80 ÷ 4 = **$4.20**
Q43a	$141 ÷ 3 = **$47**
Q43b	$\frac{1}{3}$ of Melvin's money = $47 x 2 = $94 Amt. Melvin had left = $94 x 2 = **$188**
Q44a	Use guess and check method Ans: **7**
Q44b	7 x 6 - 4 = **38**
Q45	Constant total: make total units for before & after the same Before: L : K : Total = 2 : 1 : 3; 10 : 5 : 15 After: L : K : Total = 4 : 1 : 5; 12 : 3 : 15 2u = $24 1u = $12 5u = 5 x $12 = **$60**