Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2022)

PRIMARY 3

MATHEMATICS

Booklet A

Tuesday **1 November 2022** **1 h 45 min**

Name: _____( ) Class: 3.( )

INSTRUCTIONS TO PUPILS

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

2 Follow all instructions carefully.

3 There are 17 questions in this booklet.

4 Answer ALL questions.

5 Shade your answers in the Optical Answer Sheet (OAS) provided.

This question paper consists of 8 printed pages (inclusive of cover page).

Section A

Questions 1 to 4 carry 1 mark each. Questions 5 to 17 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). (30 marks)

1. In 7408, the digit 0 is in the _____ place.

   1) ones
   2) tens
   3) hundreds
   4) thousands

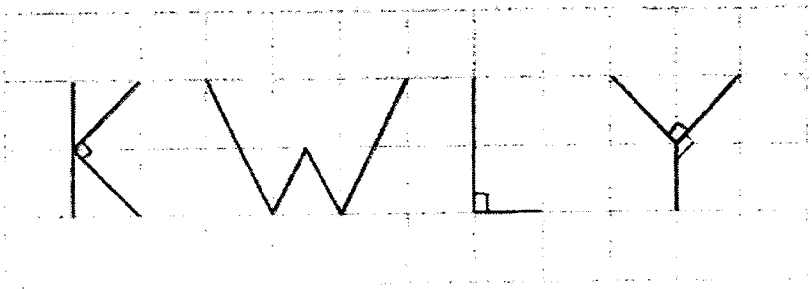
2. Which of the following has the largest value?

   1) $36 \div 6 = 6$
   2) $56 \div 7 = 8$
   3) $48 \div 8 = 6$
   4) $63 \div 9 = 7$

3. Which fraction is equivalent to $\frac{5}{25}$?

   1) $\frac{1}{2}$
   2) $\frac{2}{5}$
   3) $\frac{3}{15}$
   4) $\frac{4}{30}$

4. Find the total number of perpendicular lines in all the letters below.



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

5. Find the total of the values of the digit 4 in 4250 and 3420?

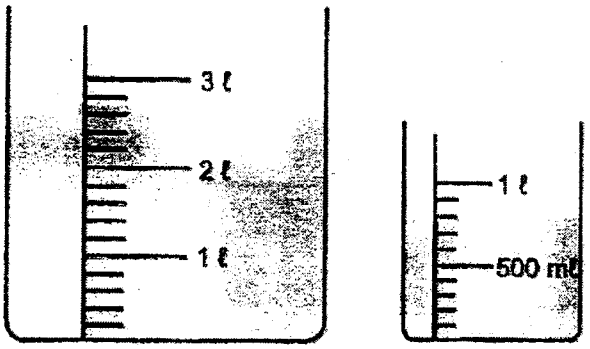
1) 44
2) 440
3) 4040
4) 4400

6. Arrange the following fraction from the smallest to the greatest.

$\frac{3}{4}$, $\frac{2}{3}$, $\frac{5}{12}$

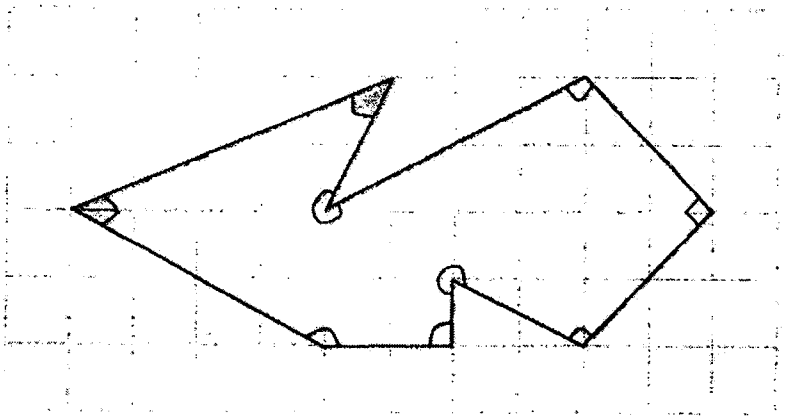
1) $\frac{2}{3}$, $\frac{3}{4}$, $\frac{5}{12}$
2) $\frac{2}{3}$, $\frac{5}{12}$, $\frac{3}{4}$
3) $\frac{5}{12}$, $\frac{2}{3}$, $\frac{3}{4}$
4) $\frac{5}{12}$, $\frac{3}{4}$, $\frac{2}{3}$

7. What is the total volume of the water in the 2 containers below?



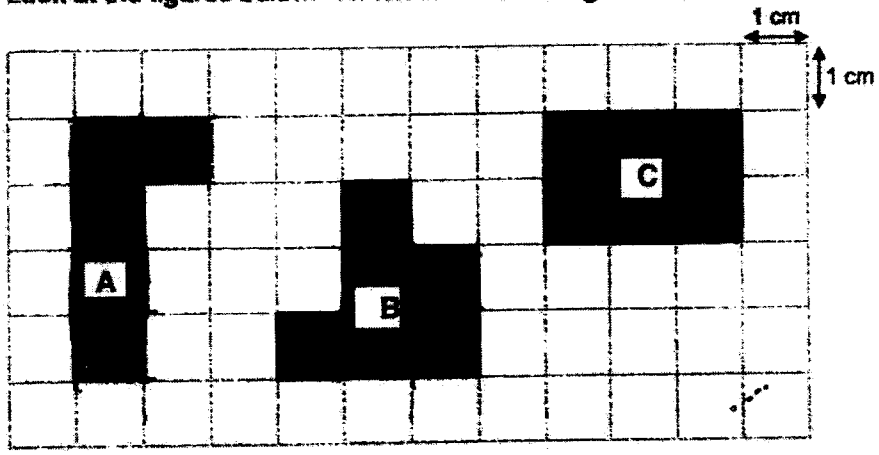
1) 2300 ml
2) 2600 ml
3) 3100 ml
4) 3400 ml

8. Study the figure below.
How many angles in the figure are smaller than right angle?



1) 1
2) 2
3) 7
4) 4

9. Look at the figures below. Which of the following statement is true?



1) The area of Figure A is greater than Figure B.
2) Figure A and Figure C have the same area.
3) Figure A and Figure B have the same perimeter.
4) Figure C has the greatest perimeter.

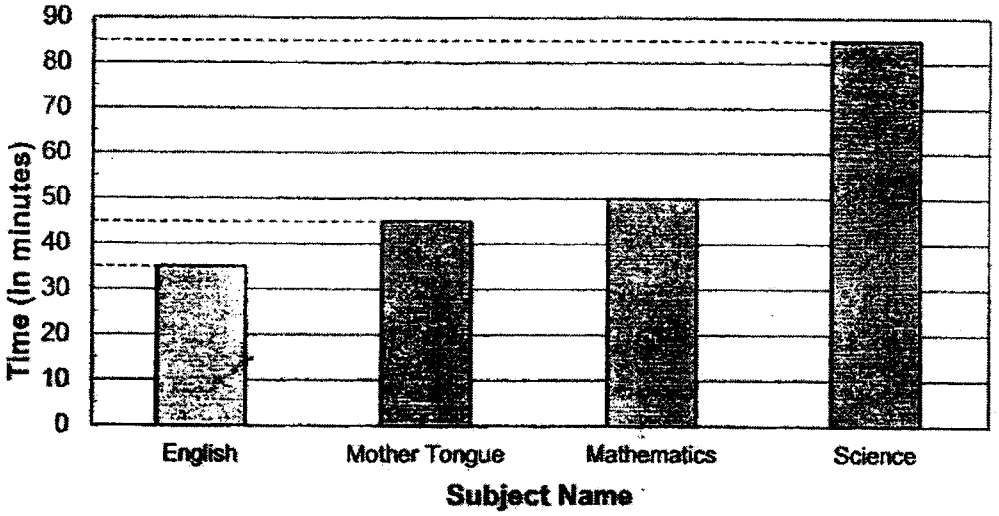
10. Luke had 1092 stickers. He had 157 fewer stickers than Bobby. How many stickers do they have altogether?

1) 1249
2) 2027
3) 2184
4) 2341

11. Arun ran 375 m up a hill and ran the same distance down the hill. He then ran 430 m before reaching the campsite. How far did he run altogether?

1) 805 m
2) 1 km 180 m
3) 1 km 235 m
4) 1 km 610 m

12. The graph below shows the amount of time Kumar spent on revising for his examination.



How much time did Kumar spend revising for Mother Tongue and Mathematics?

1) 80 min

2) 95 min

3) 120 min

4) 135 min

13. Lewis worked from 9.50 a.m. to 5.30 p.m. on Monday. He had a lunchbreak from 12.30 p.m. to 1.20 p.m. How long did he work on Monday?

1) 6 h 50 min

2) 7 h 30 min

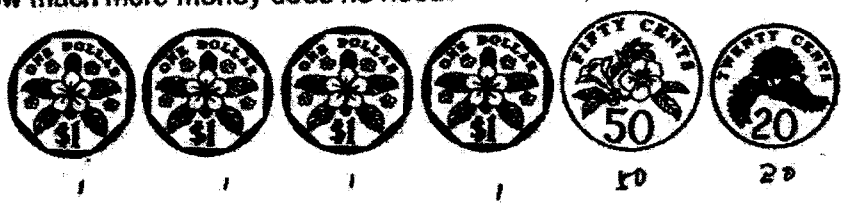
3) 7 h 40 min

4) 8 h 20 min

14. Joey packed the cookies into 6 bags. Each bag has an equal number of cookies. There were 3 ~~sweets~~ left after packing. The total number of ~~sweets~~ is between 50 and 55. How many cookies did Joey have?

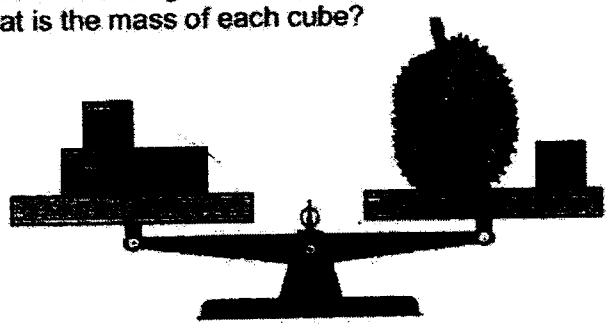
1) 51
2) 52
3) 53
4) 54

15. Jackson has the amount of money shown below. He needs $9 to buy a toy. How much more money does he need?



1) $4.30
2) $4.70
3) $4.90
4) $5.30

16. The mass of a durian is 1080 g. The cubes on both sides of the pan are of equal mass. What is the mass of each cube?



1) 216 g
2) 270 g
3) 360 g
4) 540 g

17. Jonathan's watch showed 3.35 p.m. when he completed his homework. He took 1 h 45 min to complete his homework. His watch was 15 min faster than the actual time. What was the actual time when Jonathan started doing his homework?

1) 1.35 p.m.
2) 2.05 p.m.
3) 5.05 p.m.
4) 5.35 p.m.

End of Booklet A

Anglo-Chinese School (Junior)

SEMESTRAL ASSESSMENT 2 (2022)

PRIMARY 3

MATHEMATICS

Booklet B

Tuesday **1 November 2022** **1 h 45 min**

Name: _____ ( ) Class: 3.( ) Parent's Signature: _____

INSTRUCTIONS TO PUPILS

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

2 Follow all instructions carefully.

3 There are 23 questions in this booklet.

4 Answer ALL questions.

Section	Possible Marks	Marks Obtained
A	30	
B	30	
C	20	
Total	80	

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

Section B

Questions **18** to **21** carry 1 mark each. Questions **22** to **34** 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. (30 marks)

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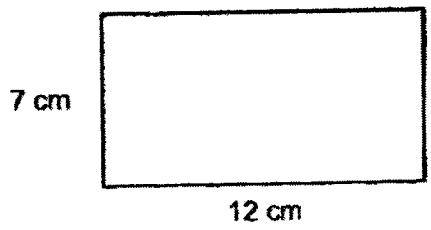
18. Write 6 thousands and 45 ones in numerals.

19. When 685 is divided by 7, the remainder is _____.

20. Find the value of $\frac{7}{12} + \frac{1}{6}$.

Sub-Total :

21. Find the area of the rectangle below.



cm²

22. Find the value in the box.

$$\frac{2}{3} - \frac{1}{9} = 1 - \square$$

23. Which two of the following fractions are greater than $\frac{1}{2}$?

$$\frac{5}{8} \quad , \quad \frac{4}{9} \quad , \quad \frac{3}{6} \quad , \quad \frac{6}{11}$$

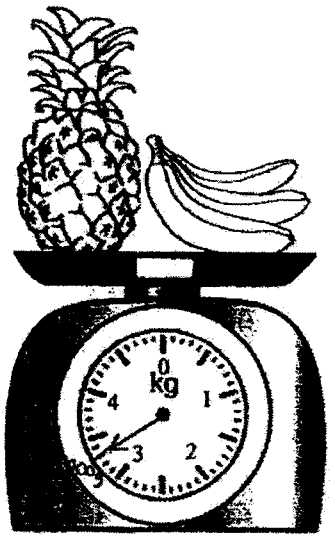
_____ and _____

Sub-Total :

24. Study the pattern below. What is the missing number?

7834, 7824, 7814, _____, 7794

25. The diagram below shows a pineapple and a bunch of bananas on a weighing scale. The pineapple weighs 1800 g. What is the mass of the bunch of the bananas? Leave your answer in grams.



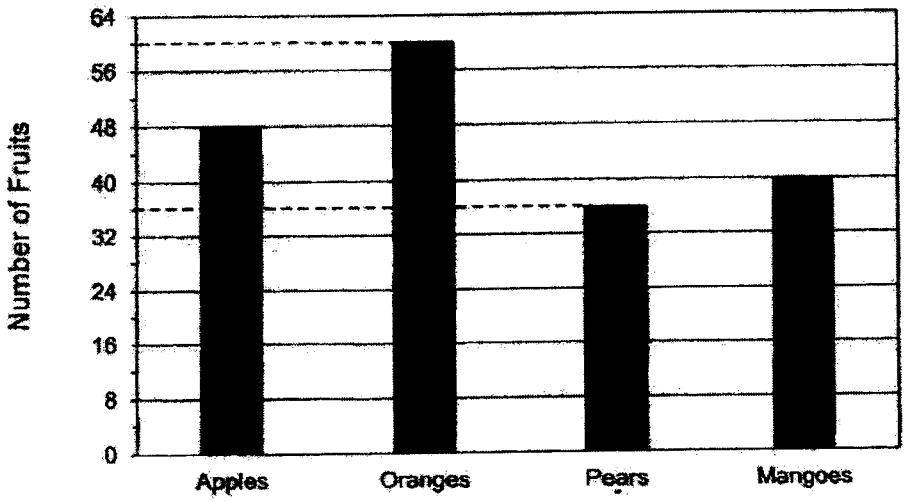
g

Sub-Total :

26. Gavin and Jia Hao saved a total of $173.45. Gavin saved $86.90. How much did Jia Hao save?

$

27. The graph below shows the number of different types of fruits sold at a stall.



How many more oranges than pears were sold?

Sub-Total :

28. Qian Wei had 94 sweets. Ravi had 24 fewer sweets than Qian Wei. Lena had 60 more sweets than Ravi. How many sweets did Lena have?

29. The travelling time between Town A and Town B is 2 hours and 43 minutes. A man started his journey at 11.45 a.m. from Town A to Town B. At what time did he arrive in Town B?

p.m.

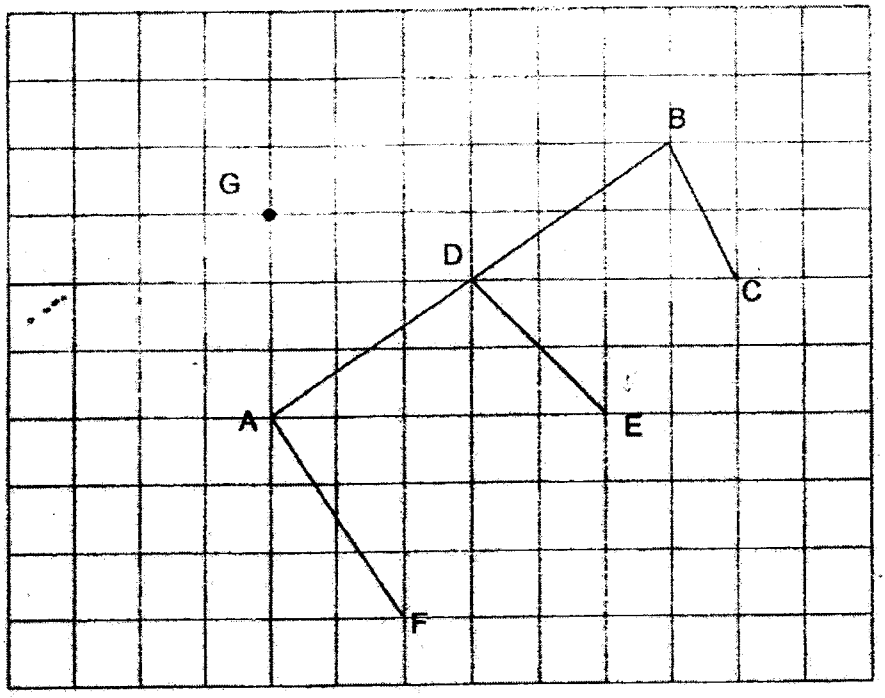
30. A dress cost $84. ~~The dress~~ It costs 3 times as much as a shirt. How much does the dress and shirt cost altogether?

$

Sub-Total :

31. a) In the square grid below, which line is perpendicular to line AB?

b) Using the square grid, draw a line which is parallel to AB, passing through point G.



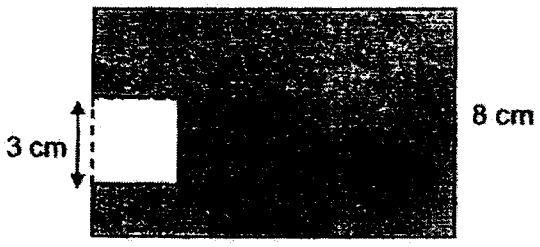
Line

32. Miss Wong bought 8 similar packets of chocolates to give to 24 students. Each student received 6 pieces of chocolates. How many pieces of chocolates were there in each packet?

Sub-Total :

33. Xu Jia and Say Jeong had a total score of 844 points at a Science competition. Xu Jia scored 126 points more than Say Jeong. What was Say Jeong's score?

34. Mr Lim had a rectangular piece of paper measuring 8 cm by 12 cm. He cut out a square of side 3 cm from the rectangular piece of paper as shown below. Find the perimeter of the remaining piece of paper after Mr Lim had cut out the square.



cm

Sub-Total :

Section C

For questions **35** to **40**, 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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35. Mrs Lim baked 173 muffins for a birthday party. There were 68 banana muffins and the rest were strawberry muffins. She packed all the strawberry muffins equally into boxes of 3. How many boxes of strawberry muffins were there?

Ans: _____ [3]

Sub-Total :

36. In a game, Group A scored 650 points. Group B scored 280 points fewer than Group A. Group C scored 3 times as many points as Group B. What was the number of points scored by Group C?

Ans: _____ [3]

Sub-Total :

37. Mrs Singh bought some highlighters. She received 6 pens free for every 60 highlighters bought. She received 48 pens. How many highlighters did she buy?

Ans: _____ [3]

Sub-Total :

38. Small and large packets of sweets were sold at a supermarket. A small packet of sweets cost $3 and a large packet cost $4. A total of $96 was collected from the sale of the small packets of sweets.

a) How many small packets of sweets were sold?

b) 15 more small packets of sweets were sold than the large packets of sweets. How much was collected from the sale of the large packets of sweets?

Ans: (a) _____ [1]

(b) $_____ [3]

Sub-Total :

39. Peter had a total of 192 blueberry, chocolate and vanilla cupcakes. He had 3 times as many blueberry cupcakes as chocolates cupcakes. He had 38 more vanilla cupcakes than blueberry cupcakes.

(a) Peter packed all the cupcakes into boxes to sell. Each box can hold 8 cupcakes. How many boxes of cupcakes he could sell at most?

(b) How many chocolate cupcakes did Peter have?

Ans: (a) _____ [1]

(b) _____ [3]

Sub-Total :

40. The books in the library were placed on 30 shelves with an equal number of books on each shelf.

3 shelves were removed and the books on these shelves were placed on the remaining 27 shelves. In the end, the number of books on each remaining shelf increased by 5.

How many books were there on each shelf at first?

Ans: _____ [3]

End of Booklet B

Sub-Total :

EXAM PAPER 2022
LEVEL : PRIMARY 3
SCHOOL : ANGLO-CHINESE SCHOOL (JUNIOR)
SUBJECT : MATHEMATICS
TERM : SEMESTRAL ASSESMENT 2

BOOKLET A

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

BOOKLET B

Q18. 6045

Q19. 6

Q20. $\frac{9}{12}$

Q21. 84 cm^2

Q22. $\frac{4}{9}$

Q23.) $\frac{5}{8}$, $\frac{6}{11}$

Q24. 7804

Q25. 1500 g

Q26. $86.55

Q27. 24

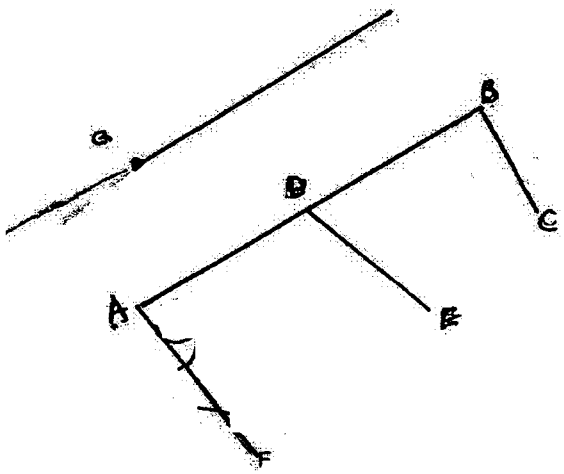
Q28. 130

Q29. 2.28 pm

Q30. $112

Q31. a) AF

b)



Q32. 18

Q33. 359

Q34. 46 cm

Q35. 173 – 68 = 105

105 ÷ 3 = 35

Q36. 650 – 280 = 370

370 × 3 = 1110

Q37. 48 ÷ 6 = 8

60 × 8 = 480

Q38 a) 96 ÷ 3 = 32

b) 17 × 4 = $68

Q39. a) 192 ÷ 8 = 24

b) 192 – 38 = 154

154 ÷ 7 = 22

Q40. 27 × 5 = 135

135 ÷ 3 = 45