Anglo-Chinese School
(Primary)
A Methodist Institution
(Founded 1886)

2022 SEMESTRAL ASSESSMENT TWO
MATHEMATICS
PAPER TWO (BOOKLET A)
PRIMARY THREE

Name: _____ ( ) **Class: Primary 3** ___

Date: 27 October 2022

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of 6 printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.
4. Shade your answers on the Optical Answer Sheet (OAS) provided.

Section A (10 x 2 marks each)

For each of the following questions, four options are given. Choose the correct option and shade its oval (1, 2, 3 or 4) in the Optical Answer Sheet provided.

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1. In the number 8273, the digit _____ is in the tens place.

   (1) 7

   (2) 2

   (3) 3

   (4) 8

2. How many hundreds are there in 7200?

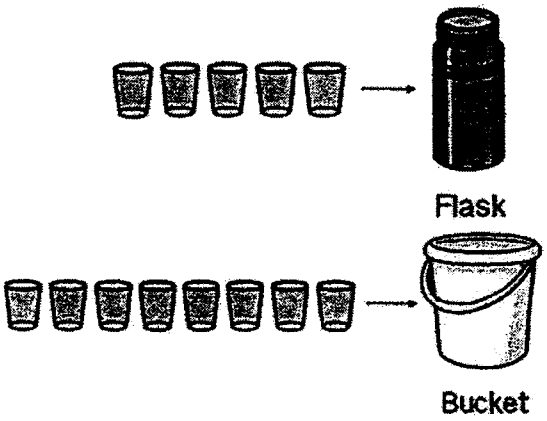
   (1) 720

   (2) 200

   (3) 72

   (4) 20

3. The capacity of the 1-litre flask is the same as the capacity of 5 glasses.
   8 glasses of water are poured into the bucket.
   What is the volume of water in the bucket?



   (1) 800 ml

   (2) 1300 ml

   (3) 1500 ml

   (4) 1600 ml

4. Find the sum of 10 hundreds and 23 ones.

(1) 33

(2) 123

(3) 330

(4) 1023

5. Find the product of 172 and 4.

(1) 688

(2) 488

(3) 313

(4) 43

6. Which of the following has the same value as 5 x 6?

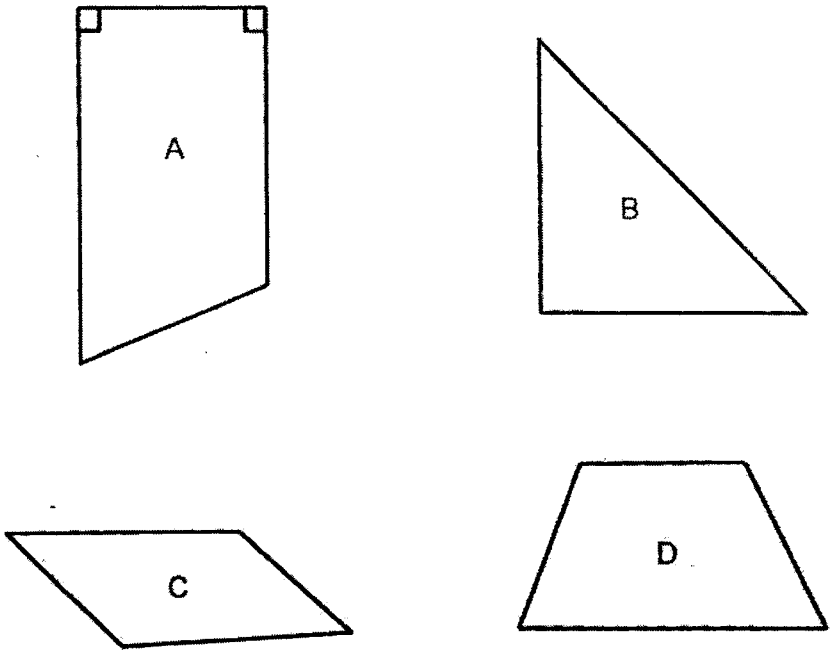
(1) 5 + 5 + 5 + 5 + 5

(2) 6 + 6 + 6 + 6 + 6

(3) 5 × 5 × 5 × 5 × 5

(4) 6 × 6 × 6 × 6 × 6

7. There are 4 figures below. Which of the figures below has **only** one acute angle?



(1) A

(2) B

(3) C

(4) D

8. Which fraction is **not** equivalent to $\frac{2}{3}$?

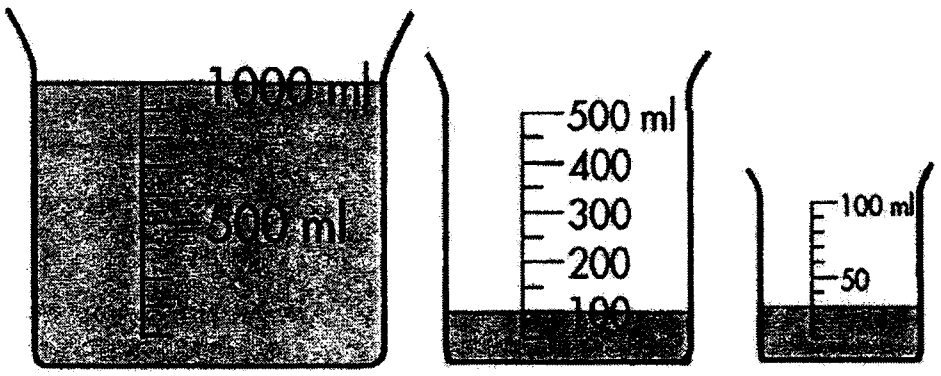
(1) $\frac{2}{6}$

(2) $\frac{4}{6}$

(3) $\frac{6}{9}$

(4) $\frac{8}{12}$

9. In the figure below, what is the total volume of water in litres and millilitres?



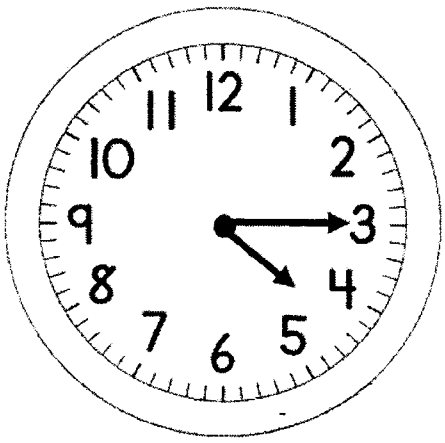
(1) 1 ℓ 100 mℓ

(2) 1 ℓ 130 mℓ

(3) 1 ℓ 200 mℓ

(4) 1 ℓ 600 mℓ

10. What is the actual time of the clock?



(1) 45 minutes to 3

(2) 45 minutes to 4

(3) 15 minutes past 5

(4) 15 minutes past 4

Anglo-Chinese School
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2022 SEMESTRAL ASSESSMENT TWO
MATHEMATICS
PAPER TWO (BOOKLET B)
PRIMARY THREE

Name: _____ ( ) **Class: Primary 3** ___

Date: 27 October 2022

_____
Parent's/Guardian's signature

INSTRUCTIONS TO CANDIDATES

1. This question paper consists of **16** printed pages.
2. Do not turn this page until you are told to do so.
3. Follow all instructions carefully.

SECTION B - Short Answers (38 Marks)

Questions 11 to 20 carry 1 mark each. Questions 21 to 34 carry 2 marks each. Show all workings and mathematical statements clearly in the space below each question. Write your answer in the space provided. Express your answers in the units stated and in its simplest form whenever possible.

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11. Write three thousand, eight hundred and fifty in numerals.

Answer: _____

12. Arrange the numbers below from smallest to greatest.

7213 , 1372 , 7321 , 3127

Answer: _____ , _____ , _____ , _____

(smallest)

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

3898, 3968, _____ , 4108, 4178

Answer: _____

14. Sally had some oranges. After selling 140 oranges, she had 835 oranges left. How many oranges did she have at first?

Answer: _____

15. What is the greatest 2-digit number that can be divided by 4 without any remainder?

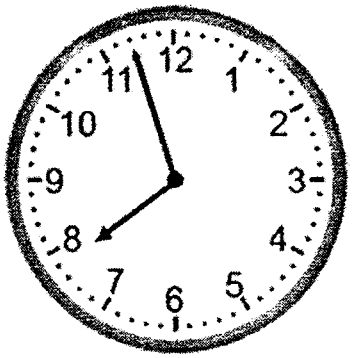
Answer: _____

16. What is the missing fraction in the box? Express your answer in its simplest form.

$$\frac{3}{4} + \frac{1}{12} = \boxed{?}$$

Answer: _____

17. The time shown on the clock is _____ a.m.



Answer: _____ a. m.

18. What is the missing number in the box?

$$\frac{4}{12} = \frac{1}{\square}$$

Answer: _____

19. Find the remainder when 157 is divided by 9.

Answer: _____

20. What is 8003 – 1975?

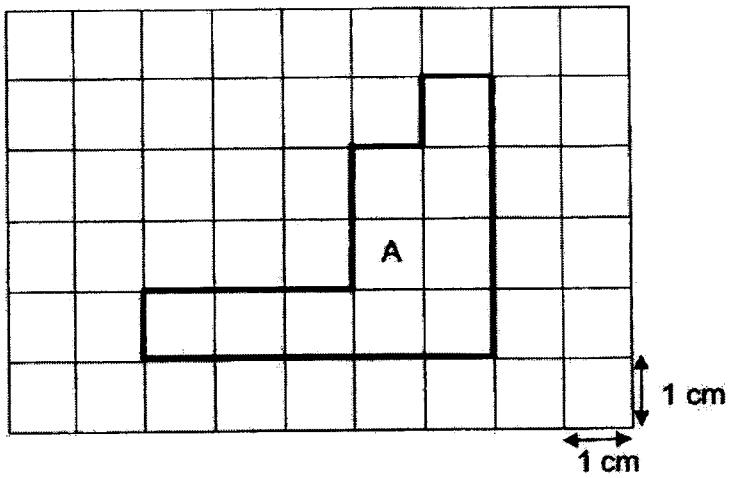
Answer: _____

21. Which two of the fractions below are smaller than $\frac{1}{2}$?

$$\frac{2}{8}\ ,\ \frac{3}{9}\ ,\ \frac{8}{10}\ ,\ \frac{9}{12}$$

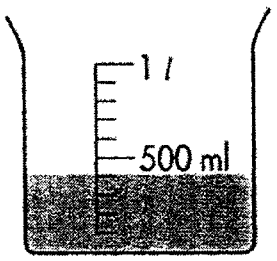
Answer: _____ and _____

22. Find the perimeter of Figure A.



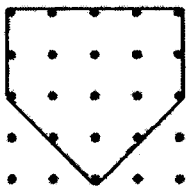
Answer: _____ cm

23. How much more water must be added to make 1 litre?



Answer: _____ ml

24. How many sides and angles does the figure below have?

Shape	Number of sides	Number of angles
		

Answer: Number of sides: _____

Number of angles _____

25. Mrs Tan prepared 104 lunch boxes. She packed 8 lunch boxes in each plastic bag. How many plastic bags did Mrs Tan use?

Answer: _____

26. 3574 people went to Sentosa on Saturday and 199 fewer people went on Sunday than Saturday. How many people went to Sentosa on these two days?

Answer: _____

27. What is the missing number in the box?

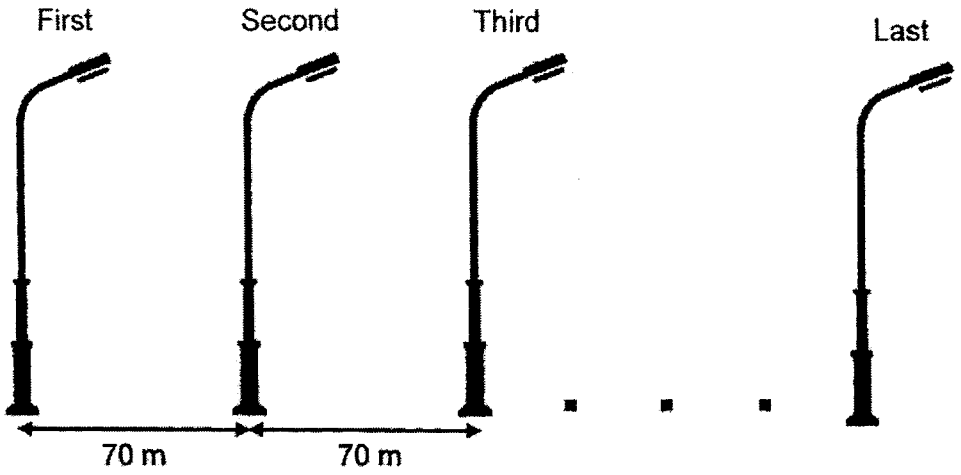
$$\begin{array}{r} 2\ 6\ 7\ 9 \\ +\ 5\ 7\ \boxed{?}\ 8 \\ \hline 8\ 4\ 0\ 7 \end{array}$$

Answer: _____

28. Find the difference between $\frac{11}{12}$ and $\frac{1}{4}$. Give your answer in its simplest form.

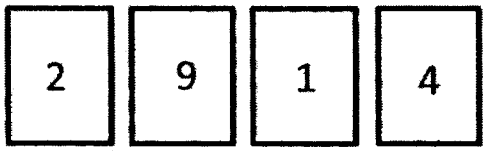
Answer: _____

29. There are 10 lamp posts along Oxford Road. The distance between every two lamp posts is 70 m. What is the distance between the first and the last lamp post?



Answer: _____ m

30. Form the greatest 4-digit even number using all the digits shown below.



Answer: _____

31. Mrs Raja sold 285 roses last week.

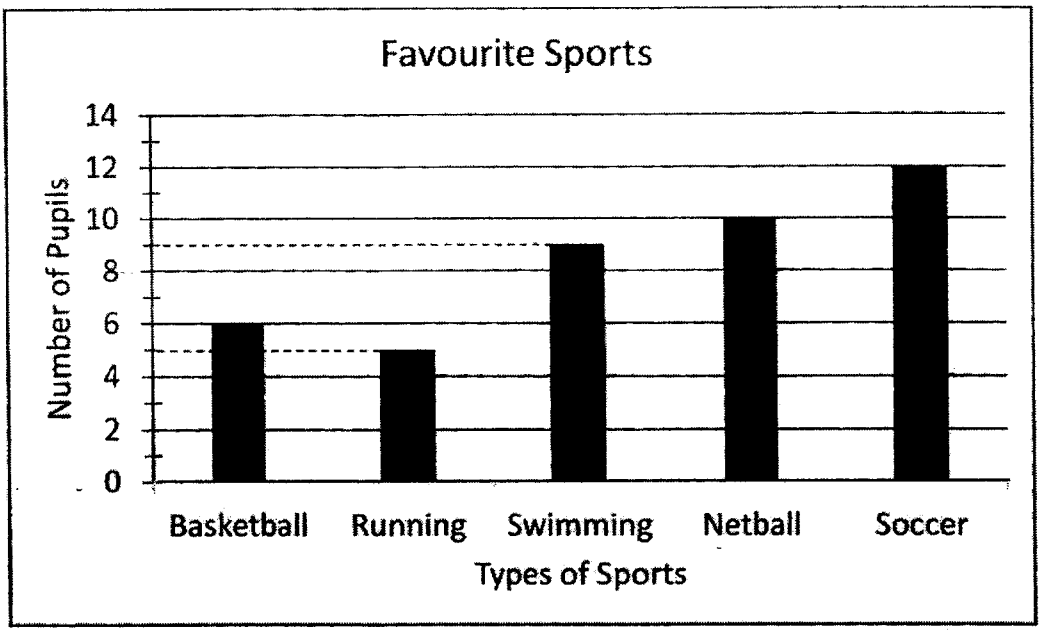
She sold 5 times as many roses this week.
How many roses did she sell this week?

Answer: _____

32. A box can contain 5 muffins.
What is the least number of boxes needed to contain 119 muffins?

Answer: _____

33. The bar graph below shows the favourite sports of class 4J. Each pupil can only choose 1 sport. Study the graph below and answer Questions 33 and 34.



(a) The least favourite sport is _____.

(b) How many pupils like swimming and soccer altogether?

Answer: (a) _____

(b) _____

34. There are 20 boys in class 4J. How many girls are there?

Answer: _____

SECTION C - Problem Sums (22 Marks)

Questions 35 to 36 carry 3 marks each. Questions 37 to 40 carry 4 marks each. Show your working and mathematical statements clearly in the space below each question. All figures are not drawn to scale. Write your answer in the answer space provided. Express your answers in the units stated and in its simplest form whenever possible.

---

35. Keith and Tom have 975 stickers.
Tom has 55 fewer stickers than Keith.
How many stickers does Tom have?

Answer: _____ [3]

36. Brent spends the same amount of time every day playing his violin. He starts at 4.10 p.m. and stops at 6.05 p.m.

(a) How long does Brent play on his violin every day?

(b) He continues his practice at 6.30 p.m. for another 1 h 45 min. What time does he finish his practice?

Answer: (a) _____ [1]

(b) _____ [2]

37. Mary wanted to buy a watch for $79.55 and a toy that cost $5.90 more than the watch.

(a) How much money would she need to buy the two items?

(b) Mary decided to buy 2 watches. She gave the cashier $200.
How much change would she get?

Answer: (a) _____ [2]

(b) _____ [2]

38. Kate baked 480 cupcakes over the weekend, she sold 284 cupcakes on Saturday and sold all the remaining cupcakes on Sunday. On Monday, Kate baked another 300 cupcakes and sold all the cupcakes at the end of the day. Each cupcake was sold for $4.

(a) How many cupcakes did Kate sell on Sunday and Monday altogether?

(b) How much money did Kate collect from selling the cupcakes on Saturday and Monday?

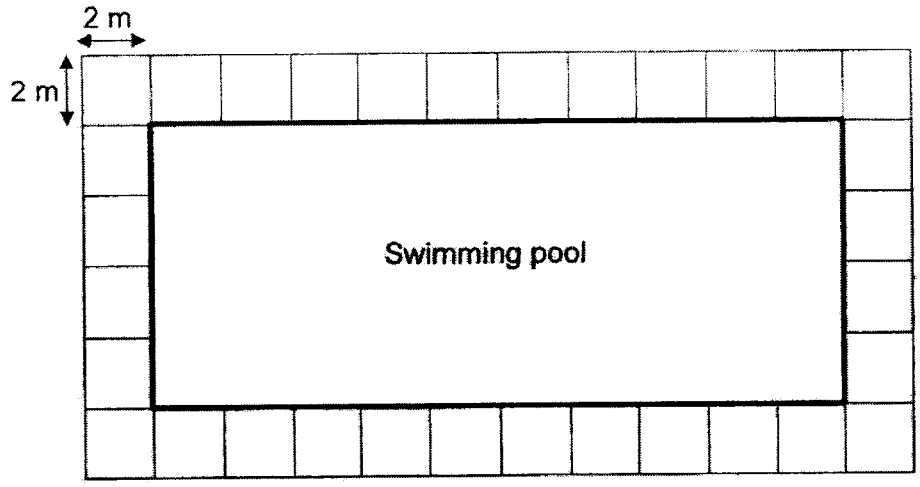
Answer: (a) _____ [2]

(b) _____ [2]

39. Some square tiles of the same size are placed around the swimming pool as shown below. The side of each tile is 2 m.

(a) Find the perimeter of the swimming pool.

(b) Find the area of the swimming pool.



Answer: (a) _____ [3]

(b) _____ [1]

40. Mrs Tan had a total of 720 chocolates and sweets.
She had 3 times as many chocolates as sweets.

(a) How many chocolates did Mrs Tan have?

(b) Mrs Tan wanted to give each pupil 5 chocolates and 4 sweets.
She gave out all her sweets and had some chocolates left.
How many chocolates were given out to her pupils?

Answer: (a) _____ [2]

(b) _____ [2]

END OF PAPER

ACS Primary 3 SA2 2022

Answer Key

Paper 1 Booklet A (Qn 1 to 10 – 2 marks each)

Question No.	Answer (2m)	Question No.	Answer (2m)
1.	(1)	6.	(2)
2.	(3)	7.	(1)
3.	(4)	8.	(1)
4.	(4)	9.	(2)
5.	(1)	10.	(4)

Paper 2 Booklet B – (Qn 11 to 20 - 1 mark each) (Qn 21 to 34 - 2 marks each)

Question No.	Answers
11	**3850**
12	**1372, 3127, 7213, 7321**
13	**4038**
14	**975**
15	**96**
16	**$\frac{5}{6}$**
17	**7.57 a.m.**
18	**3**

19	**4**
20	**6028**
21	$\frac{2}{8}$ & $\frac{3}{9}$
22	**18 cm**
23	~~1000 ml – 400 ml~~ ~~= 600 ml~~
24	Number of sides: **5** Number of angles: **5**
25	104 ÷ 8= **13**

26	3574 - 199 = 3375 3375 +3574 **= 6949**
27	~~8407 – 2679 = 5728~~ Ans: **2**
28	$\frac{11}{12} - \frac{1}{4} = \frac{11}{12} - \frac{3}{12}$ $= \frac{8}{12} = \frac{2}{3}$
29	10 – 1 = 9 9 x 70 **= 630**

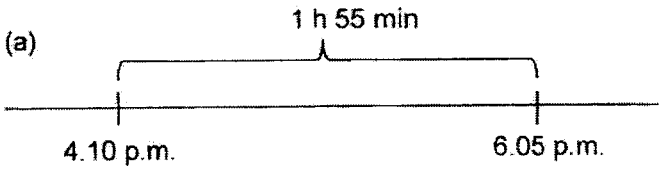
30	**9412**
31	285 x 5 = **1425**
32	119 ÷ 5 = 23 r 4 23 + 1 = **24** OR 119 ÷ 5 = 23.8 23 + 1 = **24**
33	a) **Running** b) 9 +12 = **21**
34	6 + 5 + 9 + 10 + 12 = 42 (total) 42 – 20 = **22**

Delivery

Paper 2 Booklet C – (Qn 35 to 36 - 3 marks each) (Qn 37 to 40 - 4 marks each)

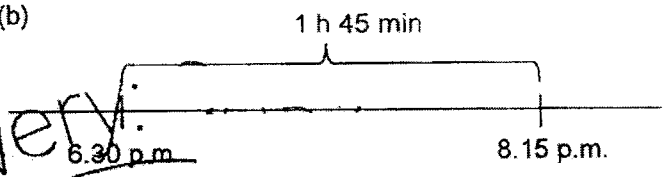
Question No	Answers (4m)
35	975 - 55 = 920 920 ÷ 2 = **460** OR 975 + 55 = 1030 1030 ÷ 2 = 515 515 – 55 = **460**

36 (a)



Ans: **1 h 55 min**

(b)



Delivery

Ans: **8.15 p.m.**

37 (a) 79.55 + 5.90 = 85.45

85.45 + 79.55 = 165

Ans: **$165**

(b) 79.55 x 2 = 159.10

200 – 159.10 = 40.90

Ans: **$40.90**

38 (a) 480 – 284 = 196

196 + 300 = 496

Ans: **496**

(b) 300 + 284 = 584

584 x 4 = 2336

OR

300 x 4 = 1200

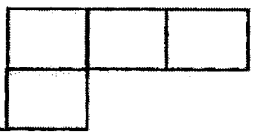
284 x 4 = 1136

1200 + 1136 = 2336

Ans: **$2336**

39	(a) 10 x 2 = 20 4 x 2 = 8 20 + 20 + 8 + 8 = 56 OR (10 + 10 + 4 + 4) = 28 28 x 2 = 56 OR 4 x 2 = 8 10 x 2 = 20 (20 + 8) x 2 = 56 Ans: **56 m** (b) 20 x 8 = 160 Ans: **160 m²**

Delivery

40	C  720 S a) 720 ÷ 4 = 180 (Sweets) 180 x 3 = **540** (Chocolates) b) 180 ÷ 4 = 45 pupils 45 x 5 = **225** chocolates were given out

END