Pei Chun Public School
End of Year Examination - 2022
Mathematics
Primary 3

Name: _____ ( )

Class : Primary 3/_____

Date : 31 October 2022

Time : 1 h 45 min

Maths Teacher : _____

Parent's Signature: _____

Section A	20
Section B	38
Section C	22
TOTAL	80

Section A

Questions **1** to **10** carry **2** marks each. For each question, choose the correct answers and write its number in the brackets provided. (20 marks)

1. In 1809, which digit is in the thousands place?

(1) 1 (2) 0

(3) 8 (4) 9

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2. Which of the following is the numbers arranged from the smallest to the greatest?

	Smallest		*Greatest*
(1)	2930,	2390,	2093
(2)	2390,	2930,	2093
(3)	2930,	2093,	2390
(4)	2093,	2390,	2930

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3. Find the value of 8000 + 500 + 9.

(1) 859 (2) 8059

(3) 8509 (4) 8590

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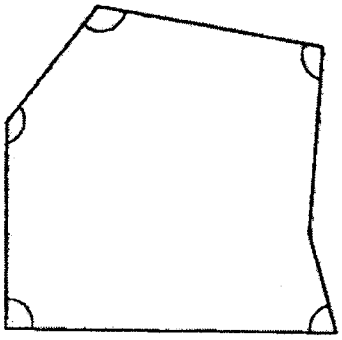
4. Which of the following is most likely the length of a school bus?

(1) 50 cm (2) 15 m

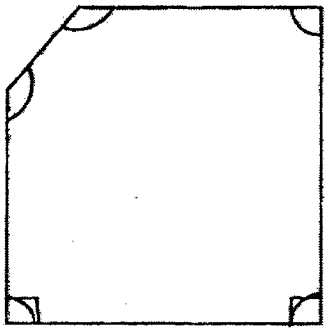
(3) 150 cm (4) 500 m

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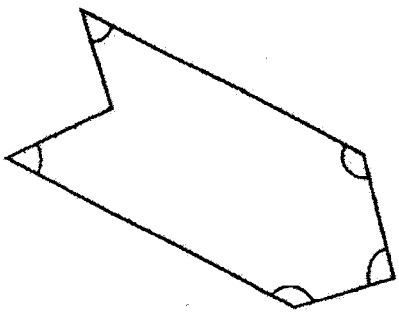
5. **Which of the following figures has two marked right angles?**



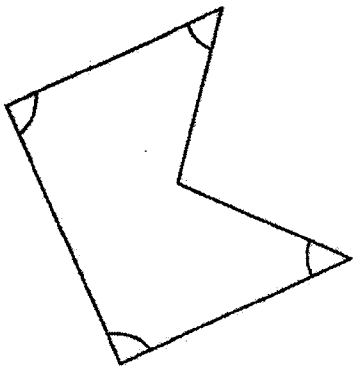
(1)



(2)



(3)



(4)

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6. Given the three fractions:

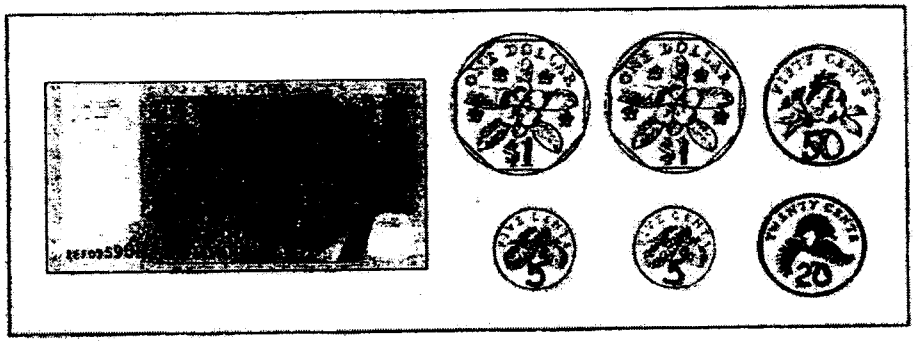
$$\frac{2}{3} \quad , \quad \frac{1}{2} \quad , \quad \frac{7}{9}$$

Arrange them from the greatest to the smallest.

	Greatest				*Smallest*
(1)	$\frac{7}{9}$	,	$\frac{2}{3}$	,	$\frac{1}{2}$
(2)	$\frac{7}{9}$	,	$\frac{1}{2}$	,	$\frac{2}{3}$
(3)	$\frac{2}{3}$	,	$\frac{1}{2}$	,	$\frac{7}{9}$
(4)	$\frac{1}{2}$	,	$\frac{2}{3}$	,	$\frac{7}{9}$

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7. Tom wants to buy a water bottle which costs $10. The diagram below shows the amount of money he has in his wallet.



How much **more** money does he need to buy the water bottle?

(1) $4.80 (2) $5.20

(3) $5.70 (4) $6.20

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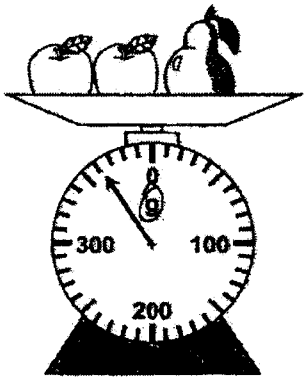
8. Mr Hong sold 1231 eggs on Monday. He sold 256 fewer eggs on Tuesday than on Monday. How many eggs did he sell on Monday and Tuesday?

(1) 975 (2) 1487

(3) 2206 (4) 2718

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9. The diagram below shows 2 identical apples and a pear on a weighing scale. The mass of the pear is 100 g.



What is the mass of an apple?

(1) 120 g (2) 130 g

(3) 180 g (4) 260 g

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10. Sally had 3 times as many marbles as John. Sally had 36 marbles. How many marbles did they have altogether?

(1) 12 (2) 48

(3) 108 (4) 144

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Section B

Questions **11** 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.

(10 marks)

11. What is the missing number in the box?

$$\frac{2}{3} = \frac{\square}{18}$$

Answer :_____

12. Study the number pattern and fill in the missing number.

8824, 8624, 8424, ? , 8024, 7824

Answer :_____

13. Express 5048 m in kilometres and metres.

Answer :_____km _____m

14. Find the value of 40 × 5.

Answer :_____

SCORE

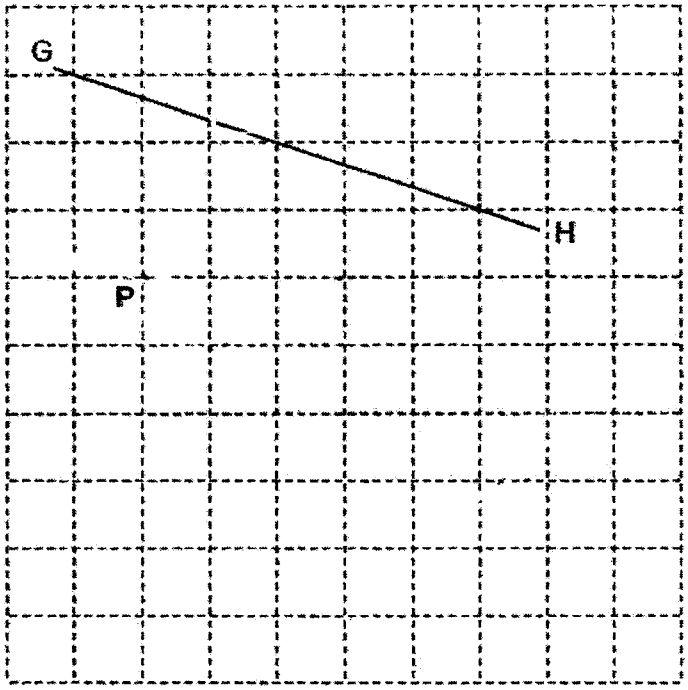
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15. What is the quotient when 293 is divided by 4?

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Answer : _____

16. Line GH is drawn in the square grid below. Draw a line parallel to GH passing through point P.



17. Look at the angles below and put a tick (✓) in the correct box that describes the angle.

Angles	Acute angle	Right angle	Obtuse angle
			
			

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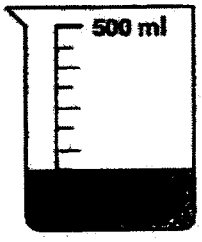
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18. What is the sum of 1903 and 3604?

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Answer : _____

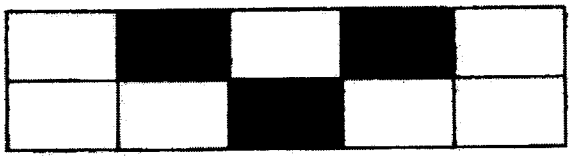
19. Beaker A contains some water. How much water is in Beaker A?



Beaker A

Answer : _____ ml

20. What fraction of the figure below is shaded?



Answer : _____

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Questions **21** to **34** 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. (28 marks)

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21. (a) Use all the number cards below to form the **greatest** 4-digit number. Each card can only be used once.

0	8	1	3

Answer : (a) _____

(b) Use all the number cards below to form the **smallest** 4-digit number divisible by 5. Each card can only be used once.

5	2	3	7

Answer : (b) _____

22. The sum of two numbers is 95. The smaller number is 38. What is the greater number?

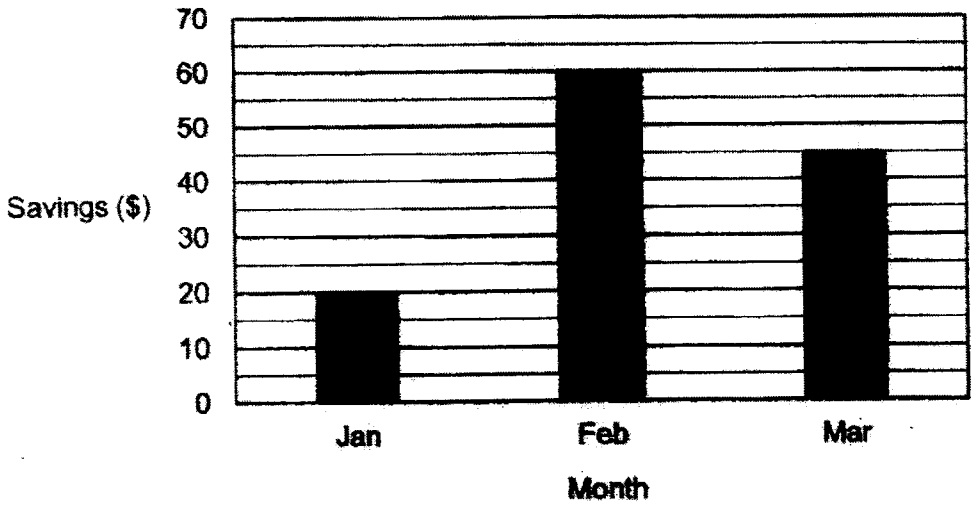
Answer : _____

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23. The bar graph shows Cindy's savings from January to March.



How much money did Cindy save from January to March?

Answer : $ _____

24. Mei Ling spent 45 min to complete her English homework and 58 min to complete her Science homework.
How long did she spend to complete both of her homework?
Express your answer in hours and minutes.

Answer : _____ h _____ min

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25. Kent is 12 years old now. His uncle is 4 times as old as him. How old is his uncle?

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Answer : _____ years

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26. (a) Find the value of $\frac{2}{3} - \frac{2}{9}$. Express your answer in the simplest form.

Answer : (a) _____

(b) Find the value of $\frac{1}{2} + \frac{3}{8}$. Express your answer in the simplest form.

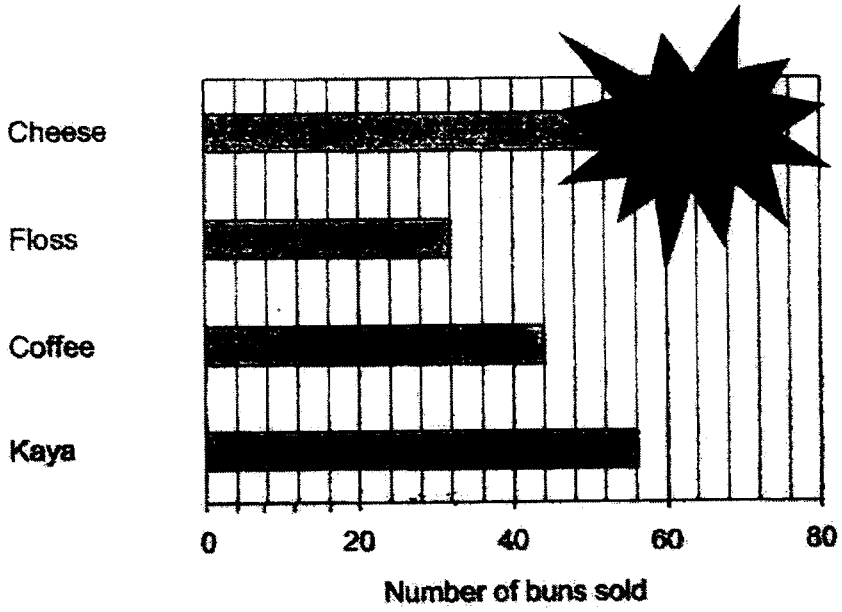
Answer : (b) _____

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27. The graph below shows the number of each type of bun sold by ABC Bakery. There is an ink blot covering part of the graph.



ABC bakery sold a total of 196 buns. How many cheese buns were sold?

Answer :_____

28. Caili had 338 sweets. She packed them into as many bags of 9 sweets as she could. Some sweets were left unpacked.
How many sweets were left unpacked?

Answer :_____

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29. A toy cost 85¢ and a pencil case cost $5.70.
What was the total cost of the toy and the pencil case?

Answer : $_____

30. On Saturday, 5304 people borrowed books from the library.
785 more people borrowed books on Saturday than on Sunday.
How many people borrowed books on Sunday?

Answer :_____

31. Tom bought 376 stickers. Keith had 5 times as many stickers as Tom.
How many stickers did they have altogether?

Answer :_____

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32. Johan had 3 times as many colour pencils as Ali. They had 64 colour pencils altogether. How many **more** colour pencils did Johan have than Ali?

Answer :_____

33. Lucy has 31 stamps less than Alan. They have 107 stamps altogether. How many stamps does Lucy have?

Answer :_____

34. May Han had $5 more than Wei Ming. Wei Ming gave $6 to May Han. How much **more** money did May Han have than Wei Ming in the end?

Answer : $_____

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Section C

For questions **35** to **40**, show your workings 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. (22 marks)

35. Mrs Han baked some muffins for a party. She packed the muffins into 35 boxes. In each box, there were 9 muffins. There were 7 muffins left in the oven. How many muffins did Mrs Han bake altogether?

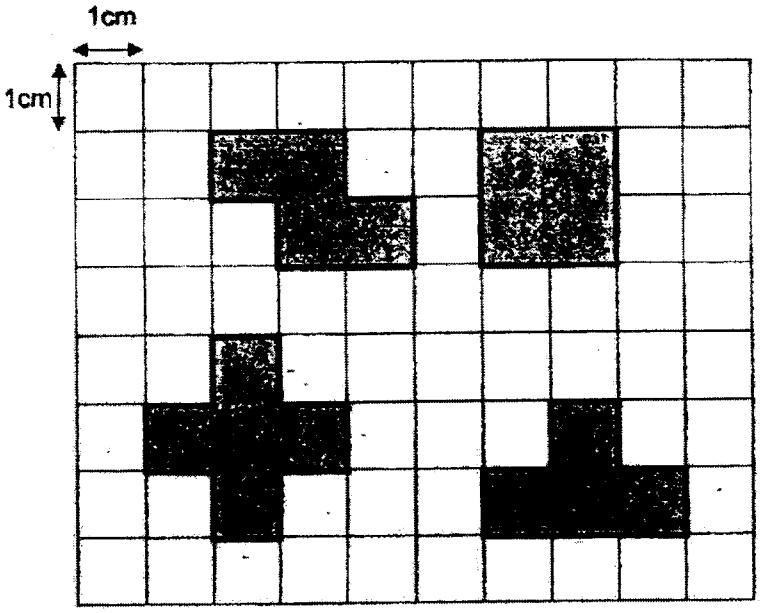
Answer : _____ [3]

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36. Figure A, B, C and D are drawn in the 1-cm square grid shown below.



(a) What is the perimeter of figure C?

Answer : (a) _____ [1]

(b) Which 2 figures have the same perimeter?

Answer : (b) Figures _____ and _____ [1]

(c) What is the total area of figures A, B, C and D?

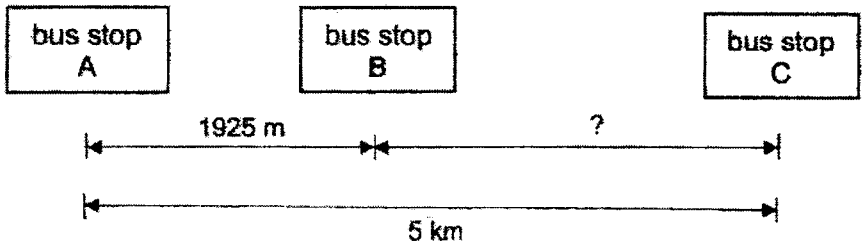
Answer : (c) _____ [1]

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37. A bus travelled from bus stop A to bus stop B and then bus stop C.

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(a) What is the distance from bus stop B to bus stop C?

Answer : (a) _____ [2]

(b) What is the difference in distance travelled from bus stop A to B and the distance travelled from bus stop B to C?

Answer : (b) _____ [2]

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38. A pencil cost $1.90 and a storybook cost $5.30. Emily bought 2 pencils and a storybook.

(a) How much did Emily pay altogether?

Answer : (a) _____ [2]

(b) Emily paid for the items using a $50 note. How much change did she receive?

Answer : (b) _____ [2]

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39. Michael started exercising at 1.45 p.m. He completed his exercise in 35 minutes.

(a) At what time did he complete his exercise?

Answer : (a) _____ [2]

(b) After completing his exercise, Michael watched a movie. The movie ended at 4 p.m. How long did the movie last? Give your answer in hour and minutes.

Answer : (b) _____ [2]

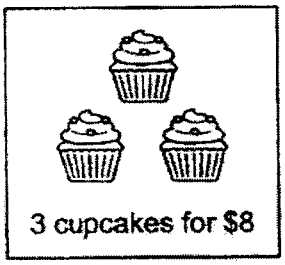
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40. A shop sold a cupcake for $3 and 3 cupcakes for $8.

(a) Mr Lee bought 4 cupcakes.
What was the least amount of money he paid?



Answer : (a) _____ [1]

(b) Mrs Siva paid $51 for some cupcakes.
What was the greatest number of cupcakes Mrs Siva bought?

Answer : (b) _____ [3]

End of Paper

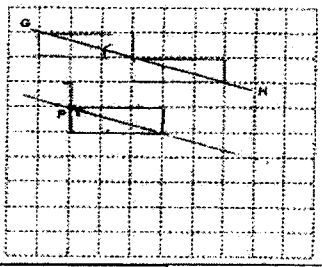
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YEAR : 2022
LEVEL : PRIMARY 3
SCHOOL : PEI CHUN PUBLIC SCHOOL
SUBJECT : MATHEMATICS
TERM : END OF YEAR EXAMINATION

Q1	1	Q2	4	Q3	3	Q4	2	Q5	4
Q6	1	Q7	2	Q8	3	Q9	2	Q10	2

Q11	12
Q12	8224
Q13	5km 48m
Q14	200
Q15	73
Q16	
Q17	Acute angle Obtuse angle
Q18	3604 + 1903 = 5507
Q19	150ml
Q20	$\frac{3}{10}$
Q21	a) 8310 b) 2375
Q22	95 – 38 = 57
Q23	60 + 45 = 105 105 + 20 = $125
Q24	58 + 45 = 103 103 – 60 = 43 1h 43min
Q25	12 x 4 = 48 years
Q26	a) $\frac{2}{3} = \frac{6}{9}$ $\frac{6}{9} - \frac{2}{9} = \frac{4}{9}$ b) $\frac{1}{2} = \frac{4}{8}$ $\frac{4}{8} + \frac{3}{8} = \frac{7}{8}$
Q27	56 + 44 = 100 100 + 32 = 132 196 – 132 = 64

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Q28	338 ÷ 9 = 37R5 Ans: 5
Q29	$5.70 + 0.85 = $6.55
Q30	Saturday : 5304 Sunday : 5304 – 785 = 4519
Q31	376 x 6 = 2256
Q32	64 ÷ 4 = 16 16 x 2 = 32
Q33	107 – 31 = 76 76 ÷ 2 = 38
Q34	6 + 5 = 11 11 + 6 = $17
Q35	35 x 9 = 315 315 + 7 = 322 muffins
Q36	a) 12cm b) Figure A and D c) 17cm^2
Q37	(a) Dist. : 5000m – 1925 = 3075 (b) Difference : 3075 – 1925 = 1150m
Q38	a) $1.90 x 2 = $3.80 $3.80 + $5.30 = $9.10 b) $50 - $9.10 = $40.90
Q39	a) 1.45 + 15 min = 2pm 2pm + 20min = 2.20p.m. b) 2.20 + 1h = 3.20 3.20 + 40min = 4p.m. Ans: b) 1h 40minutes
Q40	a) 3 + 1 = 4 $8 + $3 = $11 b) (3 x 6) + 1 = 19 = 18 + 1 = 19

END

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