

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

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?

(4) 9

( )

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

(4) 2093, 2390, 2930

( )



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

(1) 859

(2) 8059

(3) 8509

(4) 8590

( )

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

(1) 50 cm

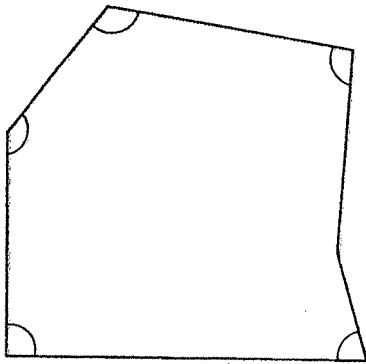
(2) 15 m

(3) 150 cm

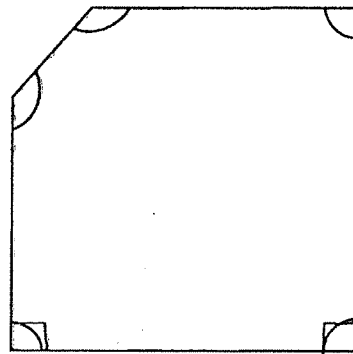
(4) 500 m

( )

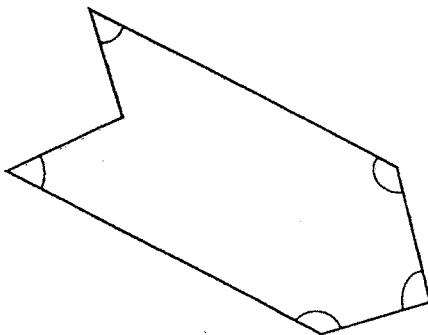
5. Which of the following figures has two marked right angles?



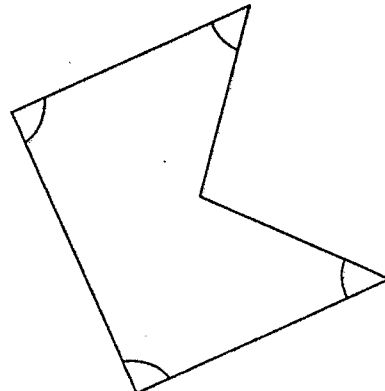
(1)



(2)



(3)



(4)

( )

6. Given the three fractions:

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

Arrange them from the greatest to the smallest.

*Greatest*

*Smallest*

(1)  $\frac{7}{9}, \frac{2}{3}, \frac{1}{2}$

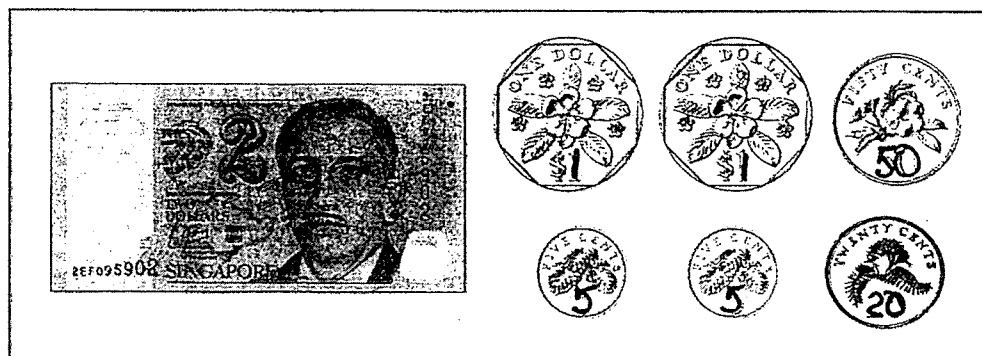
(2)  $\frac{7}{9}, \frac{1}{2}, \frac{2}{3}$

(3)  $\frac{2}{3}, \frac{1}{2}, \frac{7}{9}$

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

( )

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

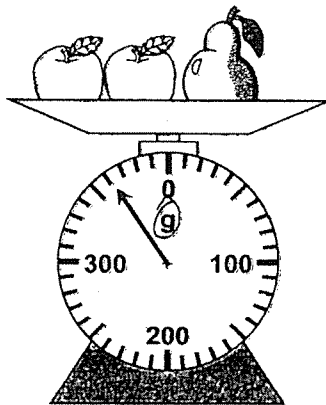
( )

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

( )

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

( )

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

( )

**Section B**Do not write  
in this space

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?

$$\frac{2}{3} = \frac{\boxed{\phantom{00}}}{18}$$

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  $40 \times 5$ .

Answer : \_\_\_\_\_

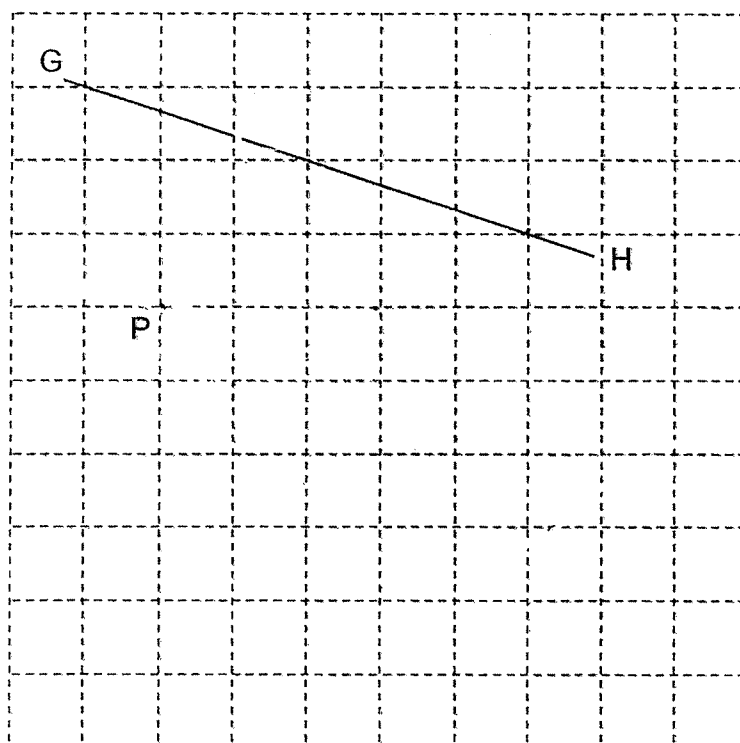
SCORE

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


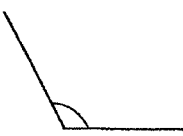
Do not write  
in this space

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
			
			

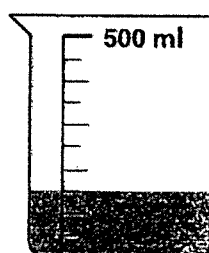
SCORE

18. What is the sum of 1903 and 3604?

Do not write  
in this space

Answer : \_\_\_\_\_

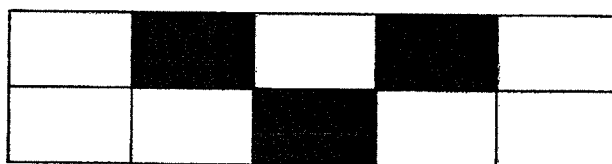
19. Beaker A contains some water. How much water is in Beaker A?



Beaker A

Answer : \_\_\_\_\_ ml

20. What fraction of the figure below is shaded?



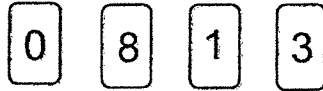
Answer : \_\_\_\_\_

--



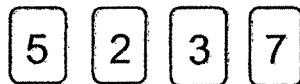
Questions 21 to 34 carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (28 marks)

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



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.



Answer : (b) \_\_\_\_\_

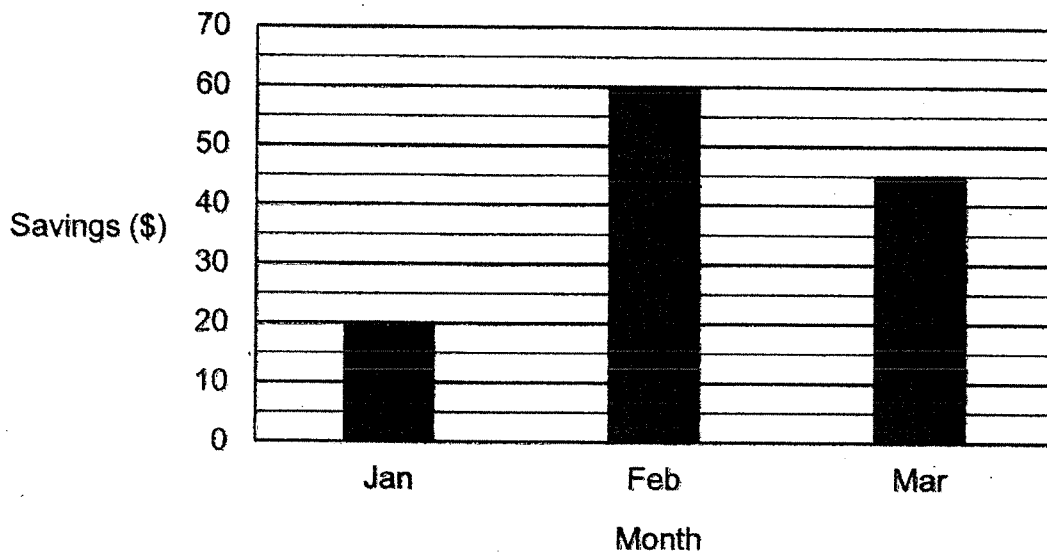
22. The sum of two numbers is 95. The smaller number is 38. What is the greater number?

Answer : \_\_\_\_\_

SCORE

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

Do not write  
in this space



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

SCORE

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

Do not write  
in this space

Answer : \_\_\_\_\_ years

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

Answer : (a) \_\_\_\_\_

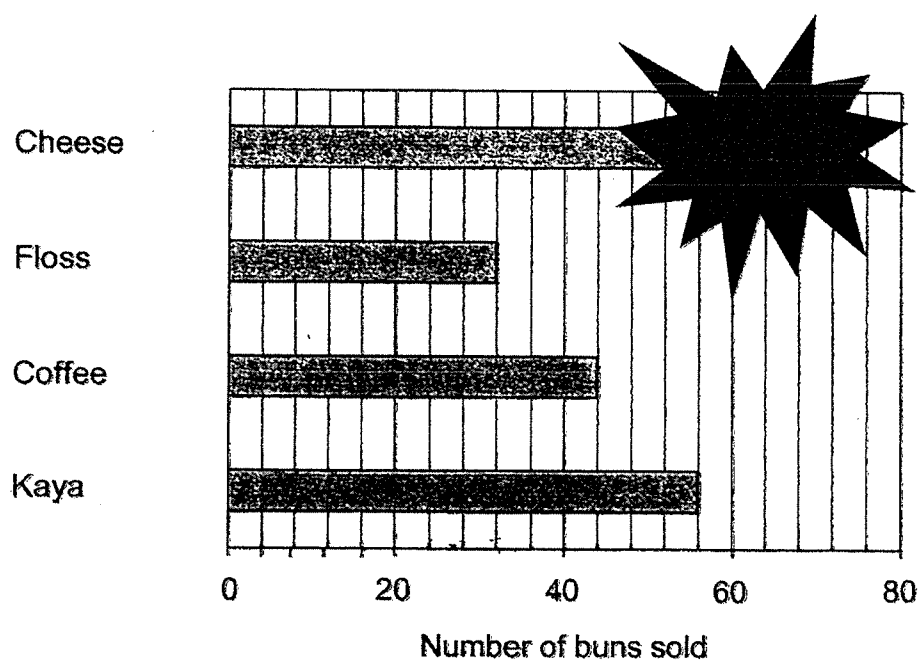
- (b) Find the value of  $\frac{1}{2} + \frac{3}{8}$ . Express your answer in the simplest form.

Answer : (b) \_\_\_\_\_

SCORE

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.

Do not write  
in this space



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 : \_\_\_\_\_

SCORE

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 : \_\_\_\_\_

SCORE

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 : \$ \_\_\_\_\_

SCORE

--

### Section C

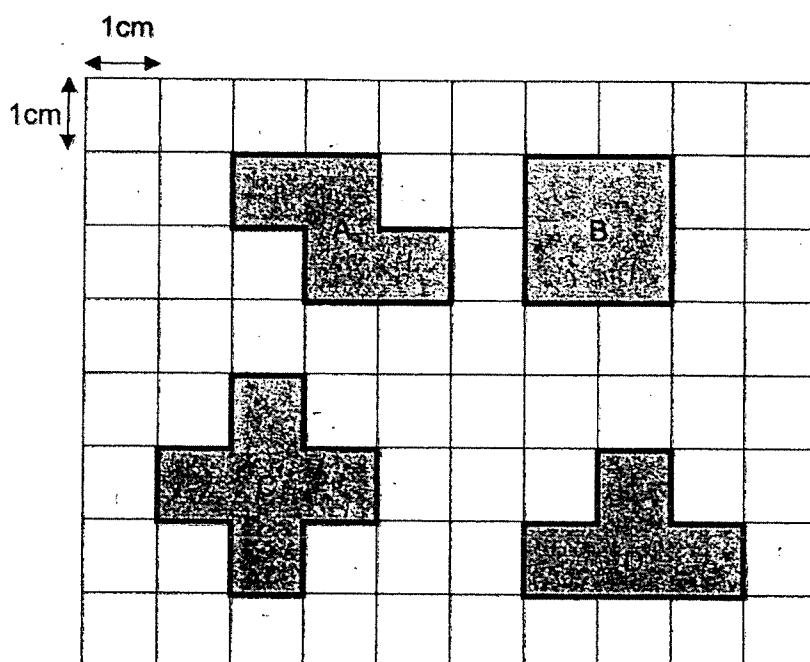
For questions 35 to 40, show your workings clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (22 marks)

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]

SCORE

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?

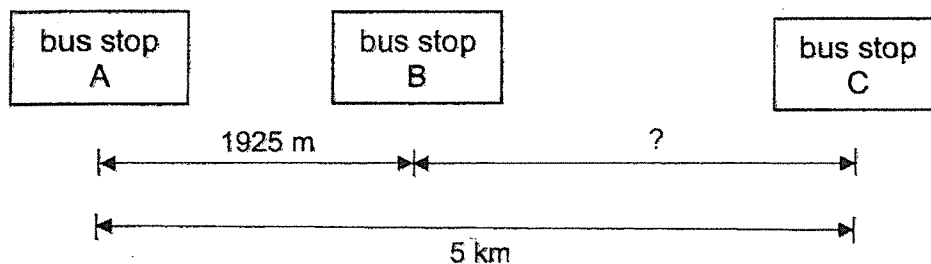
Answer : (c) \_\_\_\_\_ [1]

SCORE



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

Do not write  
in this space



- (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]

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

Do not write  
in this space

- (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]

SCORE

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

Do not write  
in this space

(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.

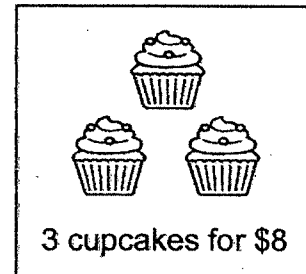
Answer : (b) \_\_\_\_\_ [2]

SCORE

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

Do not write  
in this space

- (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**



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

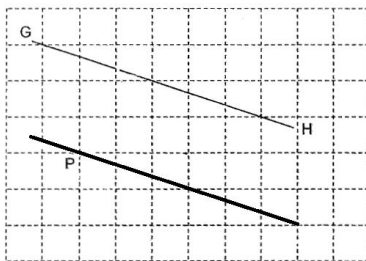
Q12 8224

Q13 5km 48m

Q14 200

Q15 73

Q16



Q17 Top - Acute Angle  
Bottom - Obtuse angle

Q18 5507

Q19 150 ml

Q20 3/10

Q21 a) 8310

b) 2375

Q22 57

Q23	$60 + 45 = 105$ $105 + 20 = \$125$
Q24	$58 + 45 = 103$ $103 - 60 = 43$ 1h 43min
Q25	$12 \times 4 = 48$ 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	$56 + 44 = 100$ $100 + 32 = 132$ $196 - 132 = 64$

Q28	$338 \div 9 = 37R5$ Ans: 5
Q29	$\$5.70 + 0.85 = \$6.55$
Q30	Saturday : 5304 Sunday : $5304 - 785$ $= 4519$
Q31	$376 \times 6 = 2256$
Q32	$64 \div 4 = 16$ $16 \times 2 = 32$
Q33	38
Q34	\$17
Q35	322 muffins
Q36	a) 12 cm b) Figure A and D c) 17 sq cm
Q37	a) 3075 b) 1150m
Q38	a) \$3.80 b) \$40.90
Q39	a) 2.20p.m. b) 1h 40 min
Q40	a) \$11 b) 19