

Pei Chun Public School
Semestral Assessment 2 – 2014
Mathematics
Primary 3

Name: _____ ()

Class : Primary 3 _____

Date : 24 October 2014

Time : 1 h 30 min

Maths Teacher : _____

Parent's Signature: _____

Section A	20
Section B	30
Section C	30
TOTAL	80

Section A

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

1. In 3506, the digit _____ is in the hundreds place.

(1) 6

(2) 5

(3) 3

(4) 0

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2. $40 \div 8 =$ _____

(1) 5

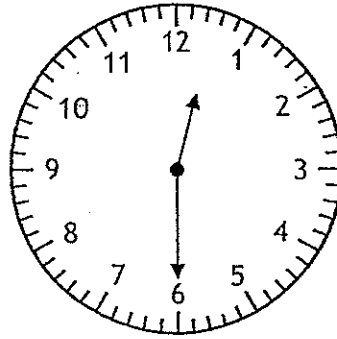
(2) 32

(3) 48

(4) 320

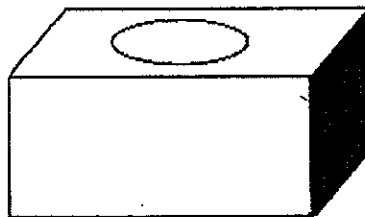
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3. What is the time shown on the clock face below?



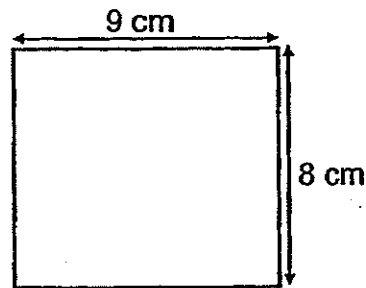
- (1) 6 minutes past 12 (2) 30 minutes past 12
(3) 30 minutes to 12 (4) 6 minutes to 1 ()

4. Study the tissue box below.
How many right angles are there on the shaded face of the box?



- (1) 0 (2) 12
(3) 24 (4) 4 ()

5. What is the area of the rectangle below?



- (1) 17 cm^2 (2) 34 cm^2
 (3) 64 cm^2 (4) 72 cm^2 ()
6. Ian spent 150 cents during recess. What was the amount spent in dollars and cents?
 (1) \$150.00 (2) \$15.00
 (3) \$1.50 (4) \$0.15 ()
7. Peter used a 75-cm string to tie Parcel A. He used another string which was 5 times as long to tie Parcel B. What was the total length of string Peter used for both parcels?
 (1) 15 cm (2) 80 cm
 (3) 375 cm (4) 450 cm ()
8. Which set of fractions is arranged from the smallest to the greatest?
 (1) $\frac{2}{12}, \frac{9}{12}, \frac{5}{12}$ (2) $\frac{9}{12}, \frac{5}{12}, \frac{2}{12}$
 (3) $\frac{2}{12}, \frac{5}{12}, \frac{9}{12}$ (4) $\frac{9}{12}, \frac{2}{12}, \frac{5}{12}$ ()

9. Sanjay prepares 4000 ml of orange juice by mixing 1250 ml of orange squash with some water. How much **more** water than orange squash does Sanjay use?

(1) 1500 ml

(2) 1650 ml

(3) 2750 ml

(4) 5250 ml

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10. Betty spent $\frac{1}{10}$ of her money on a pen and $\frac{3}{5}$ of her money on a storybook. She saved the rest of her money. What fraction of her money did Betty save?

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

(2) $\frac{3}{10}$

(3) $\frac{7}{10}$

(4) $\frac{11}{15}$

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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. Write four thousand, nine hundred and six in figures.

Answer : _____

12. Arrange these numbers in order. Begin with the greatest.

9639, 9609, 9693

Answer : _____, _____, _____
(greatest) (smallest)

13. Find the difference between 403 and 57.

Answer : _____

14. $809 \div 7 =$ _____

Answer : _____

SCORE

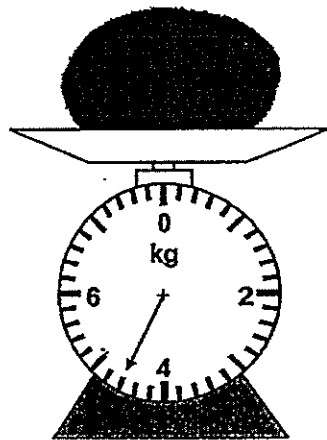
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15. 1090 g = _____ kg _____ g

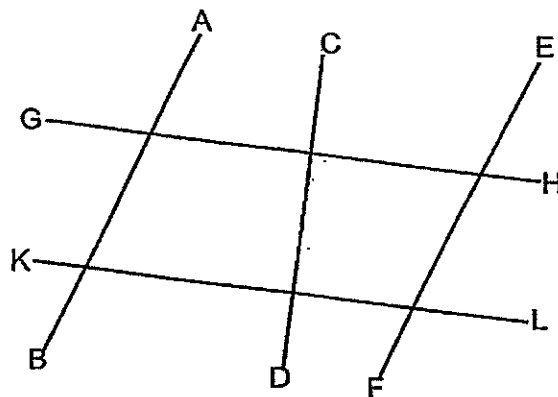
Answer : _____ kg _____ g

16. What is the mass of the watermelon in kilograms and grams.



Answer : _____ kg _____ g

17. Study the figure below.



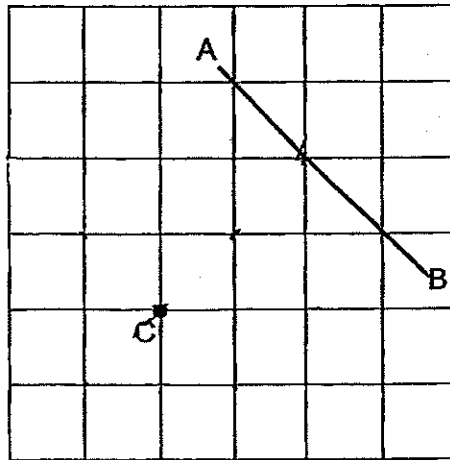
Which line is perpendicular to GH?

Answer : _____

SCORE

18. In the square grid below, draw a line parallel to line AB passing through point C.

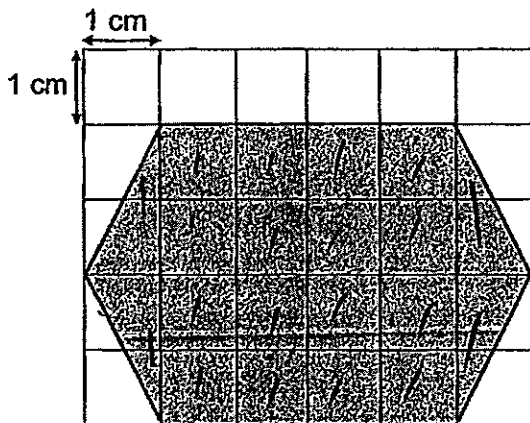
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19. A plane left Singapore for Japan at 5.40 a.m. It took the plane 6 h 45 min to fly from Singapore to Japan. At what time did the plane reach Japan?

Answer : _____ p.m.

20. What is the area of the shaded figure below?



Answer : _____ cm^2

SCORE

Questions 21 to 30 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. (20 marks)

Do not write
in this space

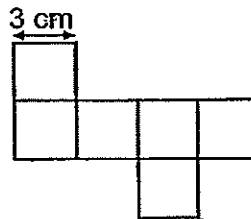
21. Write 143 minutes in hours and minutes.

Answer : _____ h _____ min

22. Mrs See had $\frac{3}{4}$ kg of rice. She cooked $\frac{1}{8}$ kg of the rice. How many kilograms of rice had she left?

Answer : _____ kg

23. The figure below is made up of 6 identical squares. What is the perimeter of the figure?



Answer : _____ cm

SCORE

Do not write
in this space

24. A piece of cloth 476 cm long was cut into 2 pieces. One of the pieces was 283 cm long. What was the length of the other piece of cloth?

Answer : _____ cm

25. A fish tank has a capacity of 3000 ml. It contains 2725 ml of water. To fill up the tank completely, Yana poured a cup full of water into it. What is the capacity of the cup?

Answer : _____ ml

26. At a shop, a handbag cost \$39.20 while a t-shirt cost \$29.90. How much **more** did the handbag cost than the t-shirt?

Answer : \$ _____

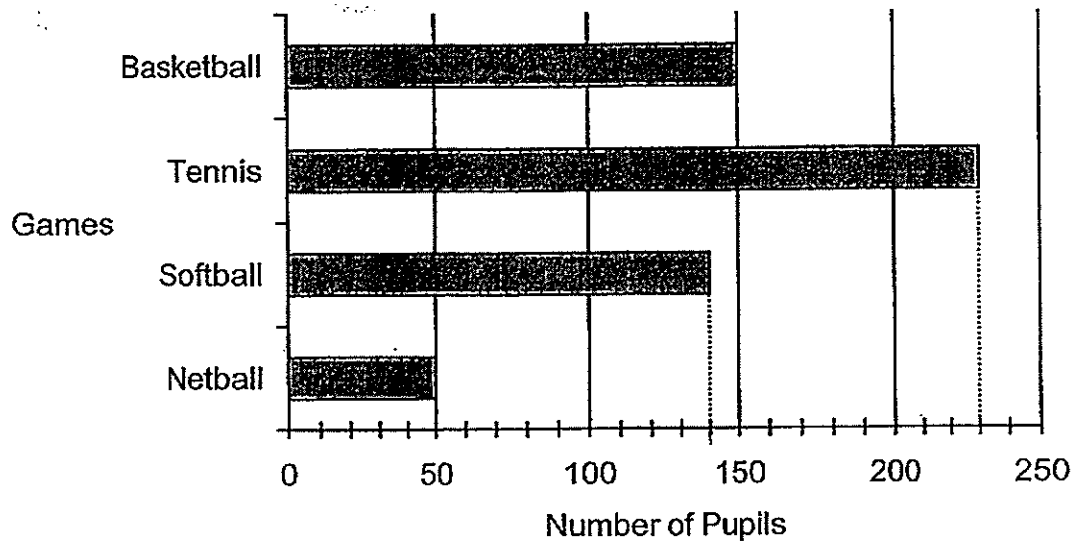
SCORE

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Study the following graph and answer Questions 27 and 28.

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in this space

The graph shows the type of ball games which the pupils from North Hill Primary School played on Games Day. Each pupil played only 1 game.



27. (a) Which game had the most number of pupils playing it?
(b) Which game had 100 more pupils playing it than netball?

Answer : (a) _____

(b) _____

28. What is the total number of pupils that played the four games?

Answer : _____

SCORE

Do not write
in this space

29. $\frac{1}{2} + \frac{\square}{12} = 1 - \frac{1}{12}$

The missing number in the box is _____.

Answer : _____

30. Study the pattern below.

DURIANDURIANDURIAN... ..?
1st 18th 58th

What is the 58th letter in the pattern?

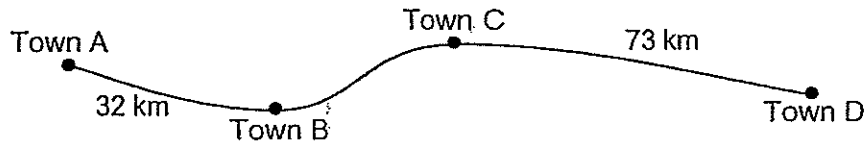
Answer : _____

SCORE

Section C

For questions 31 to 38, 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. (30 marks)

31. Mr Yang drove 134 km from Town A to Town D.



Find the distance between Town B and Town C.

Answer : _____ [3]

SCORE

32. Fiona spent 1 h 45 min at the library. At the library, she spent 30 min looking for reading materials. She spent the rest of the time reading them. She left the library at 5.15 p.m.

Do not write
in this space

- (a) How many minutes did Fiona spend reading?
(b) At what time did Fiona arrive at the library?

Answer : (a) _____ [2]
(b) _____ [1]

SCORE

33. Betty spent a certain number of weeks making paper dolls for her friends. Each week, she made 4 paper dolls more than the week before. She made 6 paper dolls in Week 1.

Do not write
in this space

- (a) How many paper dolls did Betty make in Week 3?
(b) In which week would Betty make 34 paper dolls?

Answer : (a) _____ [1]

(b) _____ [3]

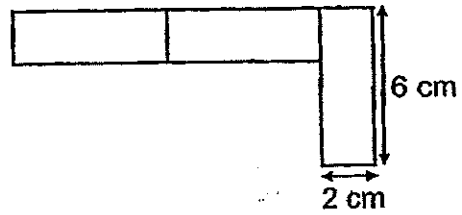
SCORE

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34. The figure below is made up of 3 identical rectangles.
The length of a rectangle is 6 cm. Its breadth is 2 cm.

- (a) What is the area of the figure?
(b) What is the perimeter of the figure?



Answer: (a) _____ [2]

(b) _____ [2]

SCORE

Do not write
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35. Denise has a total of 354 yellow, blue and red beads. She has 22 more yellow beads than blue beads. The number of red beads is twice the number of blue beads.

- (a) How many blue beads does Denise have?
(b) How many yellow beads does Denise have?

Answer : (a) _____ [2]
(b) _____ [2]

SCORE

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36. At first, Gerald had \$4.95 and Harry also had some money. After each of them spent \$2.70, they had a total of \$3 left.

Do not write
in this space

- (a) How much money had Gerald left?
(b) How much money did Harry have at first?

Answer : (a) _____ [1]

(b) _____ [3]

SCORE

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37. There are 329 pupils at the school hall. The pupils are divided into a certain number of groups. In each group, there are 5 girls and 2 boys.

Do not write
in this space

- (a) How many groups are there?
- (b) How many more girls than boys are there at the school hall?

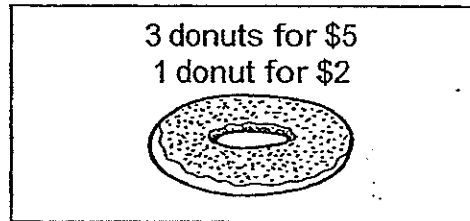
Answer : (a) _____ [2]

(b) _____ [2]

SCORE

38. The diagram below shows the price of donuts at a shop.

Do not write
in this space



- (a) Chad paid \$9 for some donuts. How many donuts did he buy?
- (b) David bought 13 donuts. What was the smallest amount of money he had to pay?

Answer : (a) _____ [1]

(b) _____ [3]

End of Paper

Set by : Mr Salleh Bajrai, Mdm Joyce Cheng and Mdm Erine Cheong

SCORE

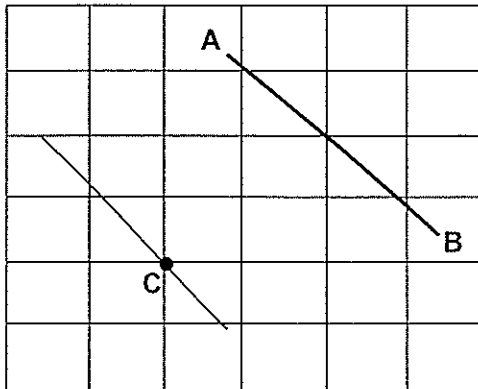
Pei Chun Public School Mathematics SA2 2014

Section A

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

Section B

- 11) 4906
- 12) 9693, 9639, 9609
- 13) 346
- 14) 115 R 4
- 15) 1kg 90g
- 16) 4kg 600g
- 17) CD
- 18)



- 19) 12.25 p.m.
- 20) 20cm²
- 21) 2h 23min
- 22) $\frac{5}{8}$ kg
- 23) 42cm
- 24) 193cm
- 25) 275ml
- 26) \$9.30
- 27) (a) Tennis
(b) Basketball
- 28) 570
- 29) 5
- 30) I

Section C

- 31) Distance from town A to B and C to D = $32 + 73 = 105$ km
Town B to C = $134 - 105 = 29$ km
Answer: 29km

- 32) (a) Time spent reading = $1\text{h } 45\text{min} - 30\text{min} = 1\text{h } 15\text{min}$
= 60min + 15 min
= 75 min

(b) Answer: 3.30pm

- 33) (a) In week 3 $4\frac{1}{2}\text{h} + 4\text{h} = 8\frac{1}{2}\text{h}$

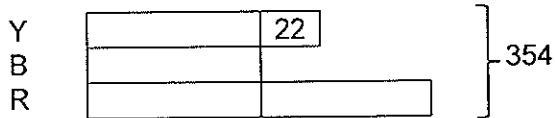
$$= 14$$

- (b) No. after week 1 = $36 - 6 = 28$
 No. of weeks after = $28 \div 4 = 7$
 Which week = $7 + 1$
 = Week 8

34) (a) Area = $12\text{cm}^2 + 12\text{cm}^2 + 12\text{cm}^2$
 $= 36\text{cm}^2$

(b) Perimeter = $2 + 6 + 6 + 6 + 6 + 2 + 4 + 2 + 6$
 $= 40\text{cm}$

35)



(a) 4 units = $354 - 22$
 $= 332$

Blue beads = $332 \div 4$
 $= 83$

(b) Yellow beads = $83 + 22$
 $= 105$

36) (a) Gerald left = $\$4.95 - \2.70
 $= \$2.25$

(b) Harry left = $\$3 - \2.25
 $= \$0.75$

Harry at first = $\$0.75 + \$2.70 = \$3.45$

37) (a) 1 group = $5 + 2$
 $= 7$

Groups of 7 = $329 \div 7$
 $= 47$ groups

(b) Girls = 47×5
 $= 235$

Boys = 47×2
 $= 94$

Difference = $235 - 94$
 $= 141$ girls

38) (a) Groups of \$5 = $\$9 \div 5$
 $= 1 \text{ R } \$4$

Remainder = $\$4 \div 2 = 2$

Doughnut = $3 + 1 + 1$
 $= 5$

(b) Groups of 3 doughnuts = $\$13 \div 3$
 $= 4 \text{ R } 1$

Remainder = 1 doughnut
 $= \$2$

Total to pay = $\$5 + \$5 + \$5 + \$5 + \$2$
 $= \$22$