

Name : _____

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)



PRIMARY 3

SEMESTRAL ASSESSMENT TWO

MATHEMATICS

29 OCTOBER 2010

Section A :	/ 40
Section B & C :	/ 60
Total Marks:	/ 100

Parent's Signature

Duration of Paper : 1h 45min

Do not open the booklet until you are told to do so.
Follow all instructions carefully.

This paper consists of 22 printed pages including the cover page.

Section A: (20 x 2 marks)

For each question, four options are given. One of the options is the correct answer. Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. Please use only 2B pencil and SHADE the oval completely.

1. In 9256, the digit 2 is in the _____ place.

- | | |
|--------------|---------------|
| (1) ones | (2) tens |
| (3) hundreds | (4) thousands |

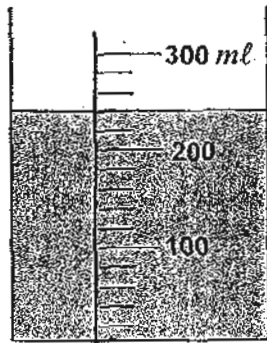
2. 7832 is 40 tens less than _____.

- | | |
|----------|----------|
| (1) 7792 | (2) 7432 |
| (3) 7872 | (4) 8232 |

3. The mass of a 15-cm plastic ruler is about _____.

- | | |
|-----------|------------|
| (1) 10 g | (2) 10 kg |
| (3) 100 g | (4) 100 kg |

4. What is the volume of water in the beaker?



- (1) 220 ml (2) 240 ml
(3) 330 ml (4) 360 ml

5. The quotient of $919 \div 9$ is equal to the product of 2 and _____.

- (1) 51 (2) 102
(3) 52 (4) 103

6. 13 minutes to 12 midnight is written as _____.

- (1) 12.13 a.m. (2) 12.13 p.m.
(3) 11.47 a.m. (4) 11.47 p.m.

7. How many eights are there altogether in the sum of 134 and 58?

(1) 24

(2) 26

(3) 192

(4) 1536

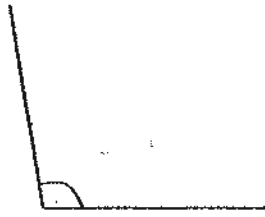
8. What are the missing numbers in the boxes below?

$$\frac{\boxed{A}}{5} = \frac{12}{15} = \frac{20}{\boxed{B}}$$

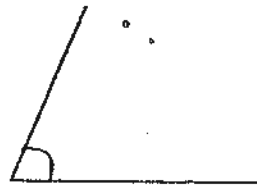
	A	B
1)	3	16
2)	3	25
3)	4	16
4)	4	25

9. Which one of the following angles is the biggest ?

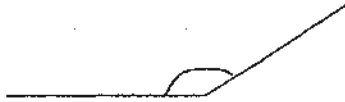
(1)



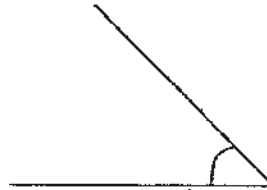
(2)



(3)



(4)



10. Miss Lim bought some cupcakes for her pupils. If she gives each pupil 6 cupcakes, she would have 12 cupcakes left. If she gives each pupil 8 cupcakes, she would need another 2 cupcakes. What was the smallest possible number of pupils Miss Lim had?

(1) 4

(2) 5

(3) 6

(4) 7

11. Siti had twenty 50-cent coins. She bought a notebook for \$2.90 and two erasers at 80 cents each. How many 50-cent coins did she have left?

(1) 9

(2) 11

(3) 45

(4) 55

12. The capacity of a tank is 8 ℓ . The tank contained some water. Mr Lim poured 3 ℓ 56 ml of water into the tank. John poured another 4 bottles of water into the tank to fill it to the brim. Each bottle contained 750 ml of water. How much water was in the tank at first?

(1) 1944 ℓ

(2) 1944 ml

(3) 4194 ml

(4) 5000 ml

13. Ali had 3 strings of different lengths. String A was 7 m 6 cm. String B was 54 cm shorter than String A. String C was twice as long as String B. What was the total length of the 3 strings?

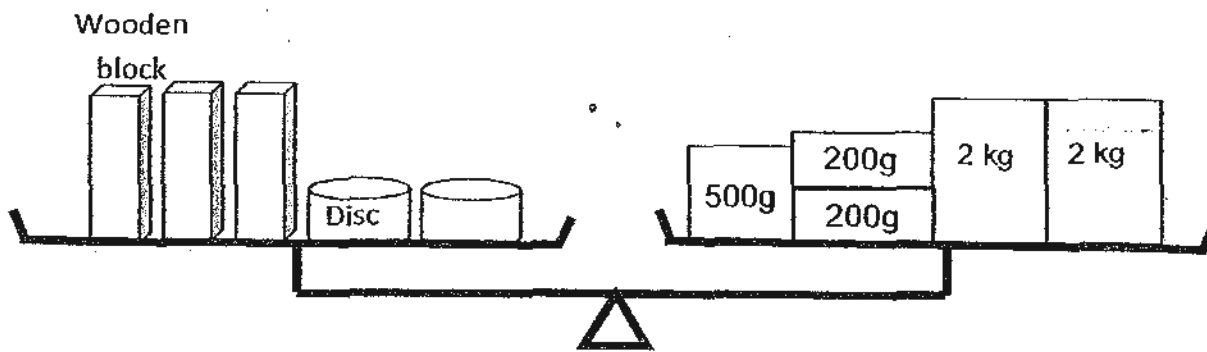
(1) 6 m 52 cm

(2) 13 m 4 cm

(3) 19 m 56 cm

(4) 26 m 62 cm

14. Study the figure below. What is the mass of each disc?



(1) 9 kg 800 g

(2) 4 kg 900 g

(3) 2 kg 450 g

(4) 1 kg 225 g

15. Which one of the following fractions is greater than $\frac{1}{5}$ but smaller than

$\frac{2}{5}$?

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

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

(3) $\frac{3}{5}$

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

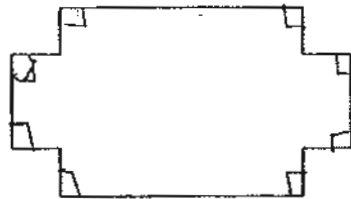
16. - Selvi took 6 h 25 min to travel from Country S to Country X. He reached Country X at 11.15 a.m. At what time did he leave Country S?

- (1) 4.50 a.m. (2) 5.55 a.m.
(3) 4.50 p.m. (4) 5.55 p.m.

17. Priscilla is 25 years old and Angelina is 19 years old. How many years ago was Priscilla thrice as old as Angelina?

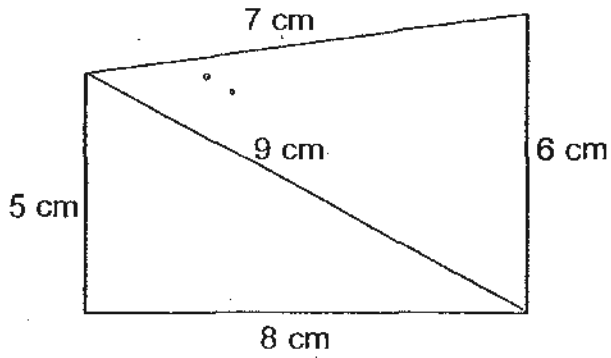
- (1) 3 (2) 6
(3) 12 (4) 16

18. How many right angles are there inside the figure?



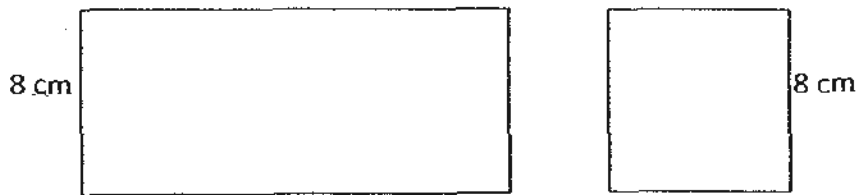
- (1) 4 (2) 8
(3) 12 (4) 16

19. The figure below is not drawn to scale.
Find the perimeter of the figure.



- (1) 26 cm (2) 35 cm
(3) 42 cm (4) 56 cm

20. The perimeter of the rectangle is twice the perimeter of the square. Find the area of the rectangle.



- (1) 24 cm² (2) 64 cm²
(3) 128 cm² (4) 192 cm²

Section B: (20 x 2 marks)

Write down your answers in the spaces provided.

Show all workings and steps clearly.

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21. Find the missing number in the number pattern.

8150, 7130, 6090, 5030, ?, 2850

Ans: _____

22. What are the missing digits?

$$\begin{array}{r} 4 \quad \boxed{A} \quad 6 \\ + \quad 8 \quad 8 \quad \boxed{B} \\ \hline 1 \quad 3 \quad 6 \quad 7 \end{array}$$

Ans: A = _____

B = _____

23. $\boxed{?} \div 8 = 142 \text{ remainder } 6$

What is the missing number ?

Ans: _____

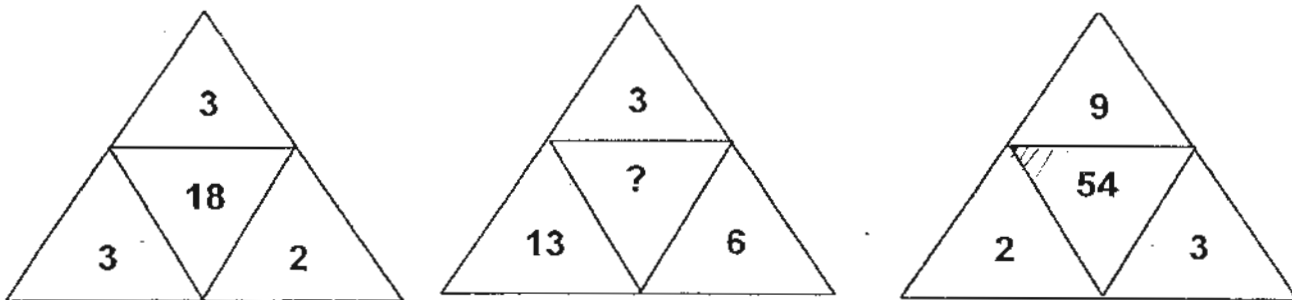


24. Mrs Long needs to bake 500 muffins for sale at a funfair. She has baked a total of 404 muffins. She takes 30 min to bake 12 muffins. How many more hours will she need to complete baking the muffins?

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Ans: _____ h

- 25 Study the figure below. Find the missing number.



Ans: _____



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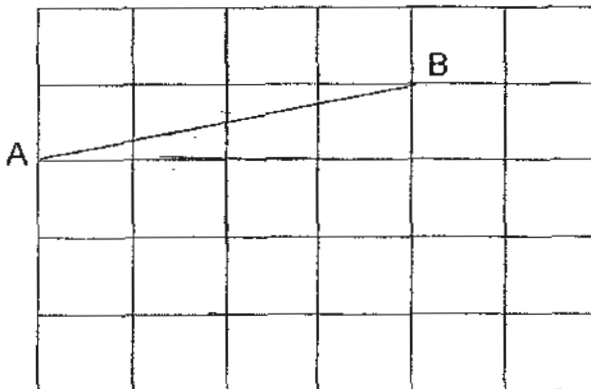
26. Mrs Tan told Sarah to place some trophies on 7 shelves. Sarah placed 1 trophy on the first shelf, 3 trophies on the second shelf and 5 trophies on the third shelf. If she were to continue in this pattern, how many trophies did she place on the 7th shelf?

Ans: _____

27. I am thinking of a 2-digit odd number.
If I multiply it by 5, the answer is less than 140.
If I multiply it by 4, the answer is more than 100.
The sum of the 2 digits in the number is 9.
What number am I thinking of?

Ans: _____

28. Draw a line perpendicular to AB.



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29. Jiemin used her 3 fifty-dollar notes and some ten-dollar notes to buy a bag which cost \$460. How many ten-dollar notes did she use?

Ans: _____

30. Susan receives \$12 from her parents each day. She spends \$7 and saves the rest every day. At least how many days will Susan take to save \$252?

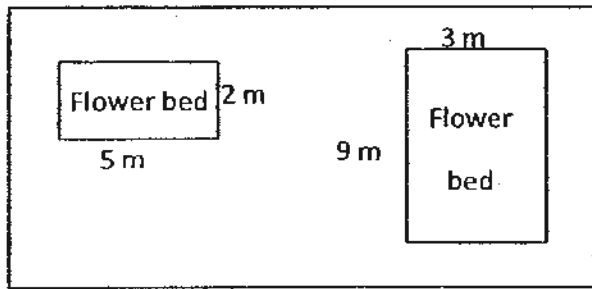
Ans: _____ days

31. 8 people are standing in a line. There are 2 people between Cindy and Kelly. Brian is behind Kelly. Eloise is first from the left and Kelly is third from the right. How many people are there between Eloise and Kelly?

Ans: _____



32. The figure below shows the layout of Arwen's garden. Arwen wants to fence the 2 rectangular flower beds in her garden. How much fencing will she require in all?



Ans: _____ m

33. $\frac{1}{2}$ of a piece of cloth was used to make curtains while $\frac{3}{10}$ of it was used to make cushion covers. What fraction of the cloth was not used?

Ans: _____

34. Arrange the fractions in order. Begin with the smallest.

$$\frac{4}{7}, \quad \frac{1}{3}, \quad \frac{4}{5}$$

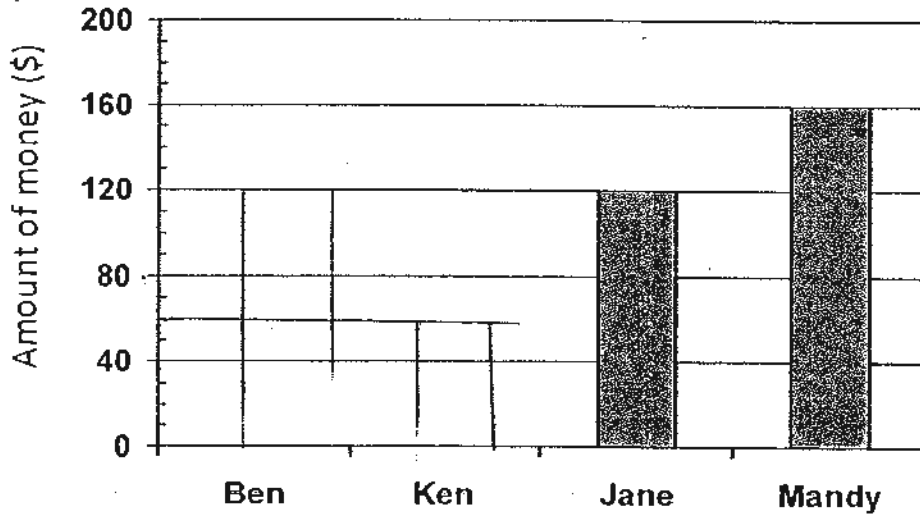
Ans: _____, _____, _____

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Study the graph below and answer Questions 35 and 36.

The graph below shows the amount of savings 4 children saved each month. They saved a total of \$590.

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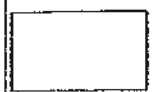


35. Ben saved \$60 more than Ken. How much money did Ben save?

Ans: \$ _____

36. How much money would the 4 children save in all in half a year?

Ans: \$ _____



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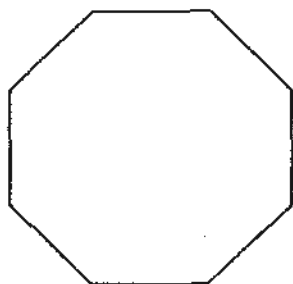
37. Xiaomei cut a pie into 18 equal pieces and ate 1 piece. Alvin and Mobeen each ate 1 piece. Leksmi ate 2 pieces. Xiaomei gave 3 pieces to her neighbour. What fraction of the pie is left? Give your answer in the simplest form.

Ans: _____

38. Peter's watch shows 15 minutes past 8. It is 20 minutes slow. He took 45 minutes to get to the library. What was the actual time he arrived at the library?

Ans: _____

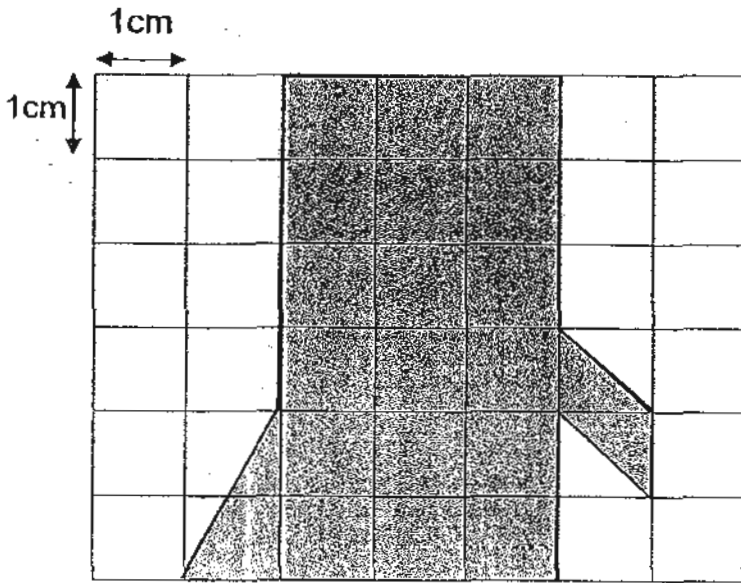
39. The figure below is made up of 8 equal sides. The total length of 3 of its sides is 84 m. What is the perimeter of the figure?



Ans: _____ m



40. Find the area of the shaded figure.



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Ans: _____ cm^2



Section C: (5 x 4 marks)

Solve ALL of the following problems.

All mathematical workings and statements must be shown clearly.

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41. Cassandra had 10 bottles. She poured 500 *ml* of fruit juice equally into each bottle. She had 3 *l* 25 *ml* of fruit juice left. How much fruit juice did she have at first? Give your answer in *l* and *ml*.

Ans: _____



42. There were 3000 people at a furniture exhibition. The number of women was twice the number of girls. There were 237 more men than boys at the exhibition. If there were 894 boys at the exhibition, how many girls were at the exhibition?

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Ans: _____

43. Kevin works in a café. The table below shows the number of hours he works in a week.

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Number of hours	4 h	6 h	5 h 30 min	-	6 h 30 min	8 h	12 h

Kevin is paid \$8 per hour. How much money does he earn in a month?
(Note : There are 4 weeks in a month.)

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Ans: _____



44. - Mrs Hoe had a total of twenty \$10-notes and \$5-notes. The total value of all the notes was \$120. How many \$10-notes did she have?

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Ans: _____

45. Study the pattern below carefully.

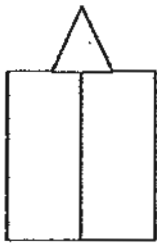


Figure 1

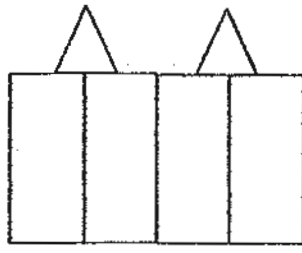


Figure 2

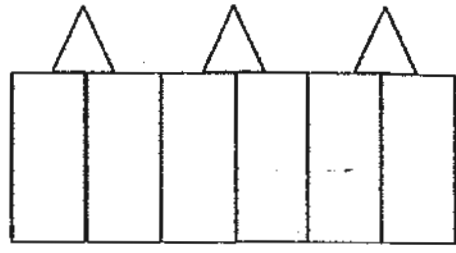


Figure 3

Figure 1 is made up of 2 rectangles and 1 triangle. Figure 2 is made up of 4 rectangles and 2 triangles and Figure 3 is made up of 6 rectangles and 3 triangles.

How many rectangles and triangles will there be in Figure 10?

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Ans: Rectangles - _____

Triangles - _____



- END OF PAPER -

ANSWER SHEET

EXAM PAPER 2010

SCHOOL : CHIJ ST NICHOLAS GIRLS' PRIMARY
 SUBJECT : PRIMARY 3 MATHEMATICS

TERM : SA2

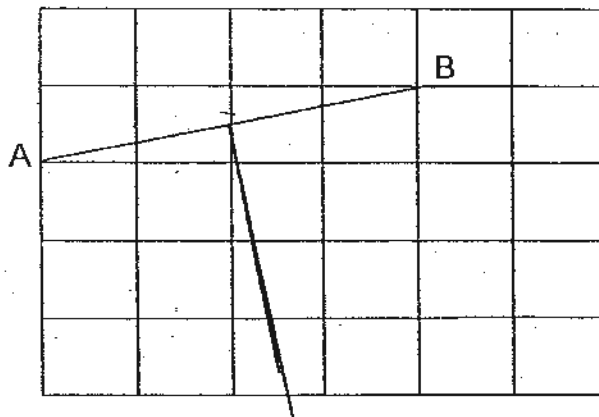
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17
3	4	1	2	1	4	1	4	3	4	2	2	4	4	4	1	4

Q18	Q19	Q20
2	1	4

21) 3950 22) A = 8, B = 1 23) 1142 24) 4 25) 117²³⁴

26) 13 27) 27

28)



29) 31 30) 51 31) 4 32) 38 33) 1/5

34) 1/3, 4/7, 4/5 35) \$185 36) \$3540 37) 5/9 38) 9.20

39) 224 40) 20

41) $500\text{ml} \times 10 = 5000\text{ml}$ $5000\text{ml} + 3025\text{ml} = 8025\text{ml}$ $= \underline{8 \text{ litres } 25\text{ml}}$	42) no. of boys & men $\rightarrow 894 + 894 + 237$ $= 2025$ No. of girls & women $\rightarrow 3000 - 2025$ $= 975$
--	--

$$\begin{aligned} \text{No. of girls} &\rightarrow 975 \div 3 \\ &= \underline{325} \end{aligned}$$

43) no. of hours he works a week:
 $4+6+5.5+6.5+8+12 = 42$ hours
Money earned per week $\rightarrow 42 \times \$8$
 $= \$ 336$
Money earned per month $\rightarrow \$336 \times 4$
 $= \underline{\$1344}$

44) She has 4 \$10-notes.

45) no. of rectangles: 20
No. of triangles: 10