

Name : _____ ()

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL



Primary 3

Second Semestral Assessment – 2007

Mathematics
Booklet A

11 October 2007

Parent's signature : _____

Score :

~~100~~

Duration of Paper : 1 h 45 min

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

SECTION A: (20 X 2 marks)

For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4).

Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. $3000 + 3 + 40 = \underline{\hspace{2cm}}$

- | | |
|----------|----------|
| (1) 3034 | (2) 3043 |
| (3) 3340 | (4) 3403 |

2. 9 thousands 5 ones written in figures is .

- | | |
|----------|----------|
| (1) 5009 | (2) 5090 |
| (3) 9005 | (4) 9500 |

3. In the number 8157, the digit 1 is in the place.

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

4. Find the sum of 685 and 2469.

- | | |
|----------|----------|
| (1) 1784 | (2) 1884 |
| (3) 3144 | (4) 3154 |

5. $\square + \bigcirc = 11$
 $\square + \bigcirc + \bigcirc = 18$
 $\bigcirc + \triangle = 12$
 $\triangle + \square = \underline{\hspace{2cm}}$

Find the missing value.

- | | |
|--------|--------|
| (1) 9 | (2) 17 |
| (3) 19 | (4) 31 |

6. After selling 635 markers and buying 708 markers, a shopkeeper had a total of 1234 markers. How many markers did he have at first?

- (1) 1577 (2) 1307
(3) 1234 (4) 1161

7. Divide 715 by 7

- (1) 10 R1 (2) 12 R1
(3) 102 R1 (4) 120 R1

8. The difference in the values of 6 and 7 in the number $\overline{6173}$ is

- (1) 5370 (2) 5930
(3) 6007 (4) 6070

9. How many numbers between 31 and 50 can be divided by 6 exactly?

- (1) 3 (2) 4
(3) 6 (4) 10

10. Multiply 248 by 9. The answer is _____.

- (1) 2062 (2) 2177
(3) 2232 (4) 2332

11. The capacity of a jar is $1500\text{m}\ell$. It is 4 times the capacity of a mug. Susan poured 3 mugs of juice into an empty beaker. How much juice is there in the beaker?

- (1) $180\text{m}\ell$
(3) $1\ell\ 125\text{m}\ell$

- (2) $750\text{m}\ell$
(4) $4\ell\ 500\text{m}\ell$

12. Which one of the following fractions is greater than $\frac{3}{5}$?

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

(2) $\frac{10}{15}$

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

(4) $\frac{11}{20}$

13. Find the sum of $\frac{1}{3}$ and $\frac{7}{12}$

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

(2) $\frac{8}{15}$

(3) $\frac{5}{9}$

(4) $\frac{11}{12}$

14. Nathan jogs round a 400m track 3 times a day. What is the distance he jogs a day?

- (1) 1200km
(3) $1\text{km}\ 200\text{m}$

- (2) $1\text{km}\ 33\text{m}$
(4) $11\text{km}\ 33\text{m}$

15. Which one of the fractions is equivalent to $\frac{2}{3}$?

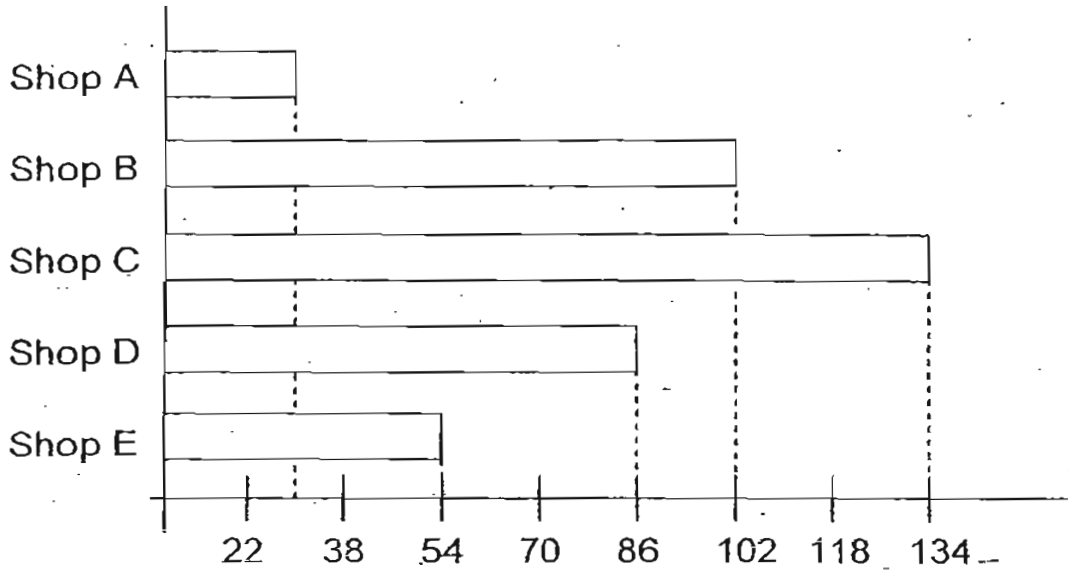
(1) $\frac{2}{6}$

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

(3) $\frac{6}{8}$

(4) $\frac{8}{16}$

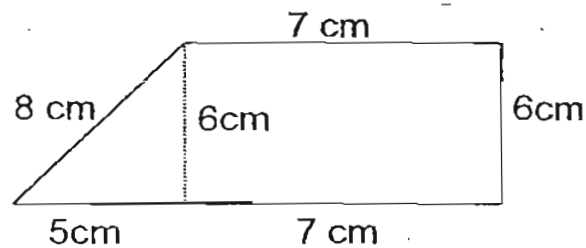
16. The graph below shows the number of cakes 5 shops sold.



Which 2 shops sold a total of 116 cakes?

- (1) Shop D and E
- (2) Shop A and B
- (3) Shop A and D
- (4) Shop B and E

17. Find the perimeter of the figure below.



- (1) 26 cm
- (2) 28 cm
- (3) 33 cm
- (4) 39 cm

18. Which one of the following is the heaviest?

- (1) 4 kg 3 g
- (2) 4 kg 30 g
- (3) 4 kg 33 g
- (4) 4 kg 303 g

19. Jay has 3 times as much money as Morgan. Jay has \$64 more than Morgan. How much money do they have altogether?

(1) \$32

(2) \$48

(3) \$96

(4) \$128

20. Sandy started doing her homework at 2.40p.m. and Alison started doing hers at 2.55 p.m. Alison took 10 min less than Sandy to complete her homework. If Sandy finished her homework at 5.05 p.m., at what time did Alison finish hers?

(1) 5.10 p.m.

(2) 5.15 p.m.

(3) 5.20 p.m.

(4) 5.30 p.m.

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Primary 3

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SECTION B: (20 x 2 marks)

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Write your answers in the blanks provided.
Show all your mathematical working clearly in the space provided.

21. What is the total number of fifty-cent coins that can be exchanged for 25 twenty-cent coins?

Ans: _____

22. $9 \times 9 = \square \times 9 + 4 \times 9$

The missing number in the box is _____

Ans: _____

23. Elyssa has 7 times as many beads as Elicia.
If the 2 girls have 984 beads altogether, how many more beads does Elyssa have than Elicia?

Ans: _____

24. 284 boys and 418 girls are divided into groups of 9.
How many groups were there altogether?



Ans: _____

25. Faith took 1 h 30 min to complete her school work.
She finished at 2.15 p.m.
At what time did she start doing it?

Ans: _____ p.m.

26. Apples were sold at 6 for \$4 and pineapples were sold
at 2 for \$3. Sally bought 3 apples and some pineapples
and paid a total of \$14. How many pineapples did she buy?

Ans: _____

27. Write 41m 8cm in centimetres.

Ans: _____ cm

28. Find the quotient of $905 \div 8$.

Ans: _____



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29. Z and Y are both whole numbers.
The product of the two numbers is 36.
What are the two numbers if the difference
between the 2 of them is 16?

Ans: _____ and _____

30. Express $\frac{18}{24}$ in its simplest form.

Ans: _____

31. Mrs Chan gave $\frac{1}{3}$ of her cookies to Susan and $\frac{5}{12}$ to
Alice. What fraction of the cookies had she left?
(Give your answer in the simplest form.)

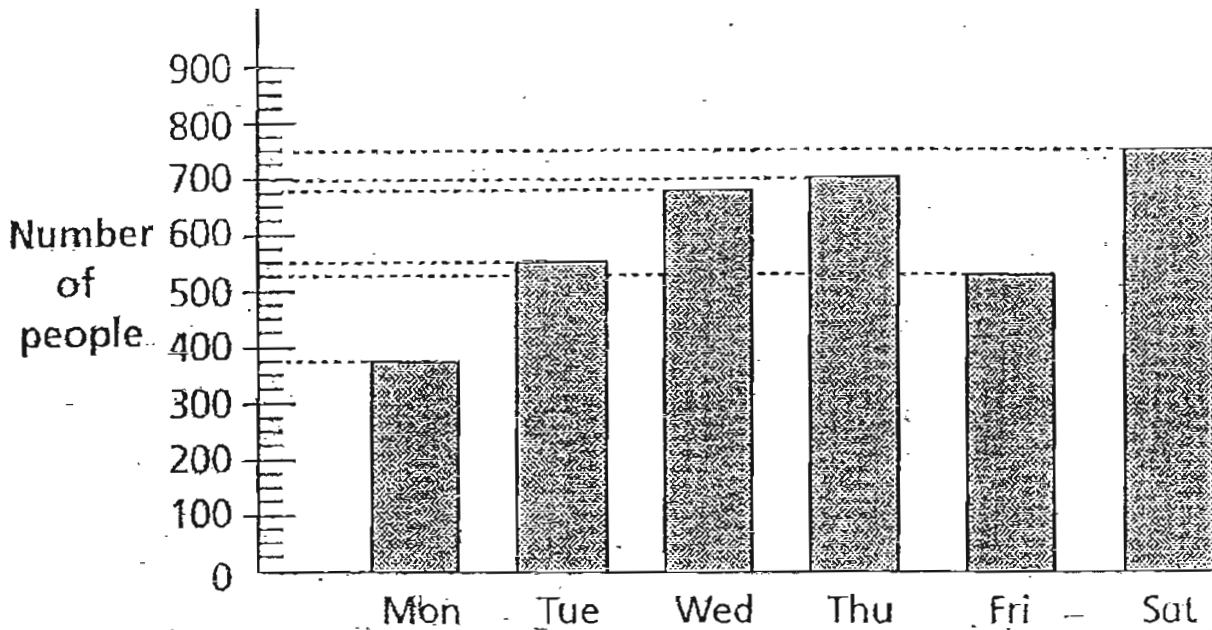
Ans: _____

32. What is the total mass of 5 birds which weigh 775g each?
(Give your answer in kg and g.)

Ans: _____ kg _____ g

Use the graph below to answer questions 33 and 34.
 The graph shows the number of people who visited the school library during a week.

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33. The total number of people who visited the school library on Monday and Thursday is the same as the total number of people who visited on Friday and _____.

Ans: _____

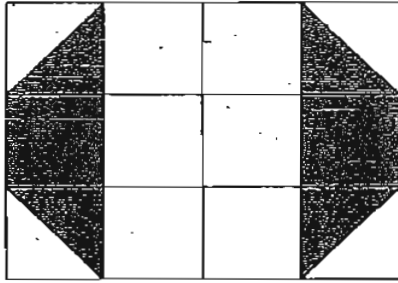
34. There were 125 adults at the school library on Saturday. This was 20 fewer than the number of girls who were there on the same day. How many boys visited the library on that day?

Ans: _____ boys



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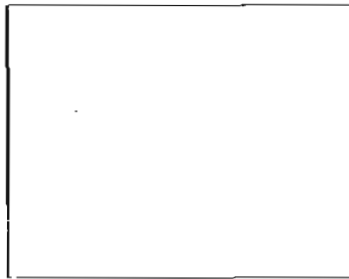
35. What fraction of the figure is shaded?
(Give your answer in its simplest form.)



Ans: _____

36. What is the area and perimeter of the square below?

7m



Ans: Area: _____ m²

Perimeter: _____ m

37. 4 pupils drink a total of 2 l of juice every day.
Each pupil drinks an equal amount of juice.
How much juice does each pupil drink every day?

Ans: _____ ml

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38. A rectangular field has sides 86 m and 9 m.
Find the area of the field.

Ans: _____ m^2

39. (a) $10 \text{ kg} =$ _____ g

(b) $2005 \text{ ml} =$ _____ l _____ ml

Ans: (a) _____ g

(b) _____ l _____ ml

40. Arrange the fractions in decreasing order: $\frac{2}{3}, \frac{1}{2}, \frac{5}{6}$

Ans: _____

SECTION C: (5 x 4 marks)

Solve the following problems.

All mathematical working and statements must be shown clearly.

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41. The total mass of a dog and a cat is 9 kg 890 g.
The dog is heavier than the cat by 240 g.
What is the mass of the cat?
(Give your answer in kg and g.)



42. Vani took part in a 2400 m race.
She took a rest after running 835 m.
She continued running for another 258 m before giving up.
(a) What was the distance she ran in all?
(b) How far away was she from the finishing point?

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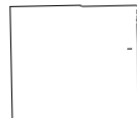
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43. Fatimah saved \$539 each month during the first eight months of the year.
She saved \$650 each month for the rest of the year.
How much did she save in total for the whole year?



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44. A metal container can hold 8400 m^{ℓ} of water altogether.
Eight identical pails are needed to fill up the metal container
completely.
How much more water can the metal container hold than one pail?
(Give your answer in ℓ and m^{ℓ} .)



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45. Mr Kumar left home at 2.15 p.m. and reached the stadium half an hour later.
He trained for three hours and took a taxi home.
When he reached home, it was already 6.20 p.m.
How long did it take him to reach home?
(Draw and label the time-line.)

End of Paper

CHIJ Primary School
Primary 3 SA2 Maths Exams (2007)

Answer Keys

- | | | | | |
|-------------------|-------|-------|-------|--|
| 1) 2 | 2) 3 | 3) 3 | 4) 4 | 5) 1 |
| 6) 4 | 7) 3 | 8) 2 | 9) 1 | 10) 3 |
| 11) 3 | 12) 2 | 13) 4 | 14) 3 | 15) 2 |
| 16) 3 | 17) 3 | 18) 4 | 19) 4 | 20) 1 |
| 21. 10 | | | | 22. 5 |
| 23. 738 | | | | 24. 78 |
| 25. 12.45 | | | | 26. 8 |
| 27. 4108cm | | | | 28. 113 |
| 29. 18 and 2 | | | | 30. $\frac{3}{4}$ |
| 31. $\frac{1}{4}$ | | | | 32. 3kg 875g |
| 33. Tuesday | | | | 34. 480 boys |
| 35. $\frac{1}{3}$ | | | | 36. Area = 49m ²
Perimeter = 28m |
| 37. 500ml | | | | 38. 774m ² |
| 39a. 10000g | | | | |
| 39b. 2l 5ml | | | | |

40. $\frac{5}{6}, \frac{2}{3}, \frac{1}{2}$

41. $9\text{kg } 890\text{g} - 240\text{g} = 9\text{kg } 650\text{g}$
 $9650\text{g} \div 2 = 4825\text{g}$
The mass of the cat is $4\text{kg } 825\text{g}$

42a. $835\text{m} + 258\text{m} = 1093\text{m}$
She had 1093m in all

42b. $2400\text{m} - 1093\text{m} = 1307\text{m}$
She was 1307m away from the finishing point.

43. $12 - 8 = 4$
 $\$650 \times 4 = \2600
 $\$(4312 + 2600) = \6912
Fatimah save $\$6912$ for the whole year.

44. $8400\text{ml} \div 8 = 1050\text{ml}$
 $8400\text{ml} - 1050\text{ml} = 7350\text{ml}$
 $7\text{t } 350\text{ml}$ is the amount it can hold.