Name : _____ ( )

Class : Primary 3 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 3

Second Semestral Assessment – 2007

Mathematics
Booklet A

11 October 2007

Score :

/ 100

Parent's signature : _____

Duration of Paper : 1 h 45 min

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

1

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. $3000 + 3 + 40 =$ _____

(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. $\square + \bigcirc = 11$

$\square + \bigcirc + \bigcirc = 18$

$\bigcirc + \triangle = 12$

$\triangle + \square =$ _____

Find the missing value.

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

2

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 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

3

11. The capacity of a jar is 1500mℓ. 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 mℓ (2)   750 mℓ
(3)   1ℓ 125 mℓ (4)   4ℓ 500 mℓ

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

(1)   1200 km   (2)   1 km 33 m
(3)   1 km 200 m   (4)   11 km 33 m

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

(1) $\frac{2}{6}$ (2) $\frac{8}{12}$

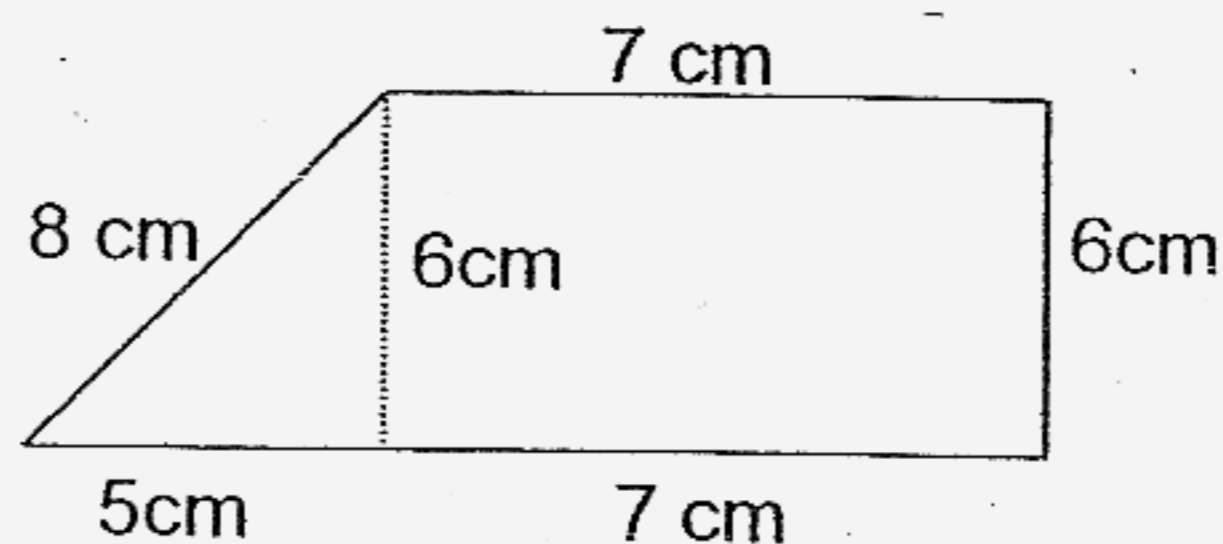(3) $\frac{6}{8}$ (4) $\frac{8}{16}$

4

16. The graph below shows the number of cakes 5 shops sold.
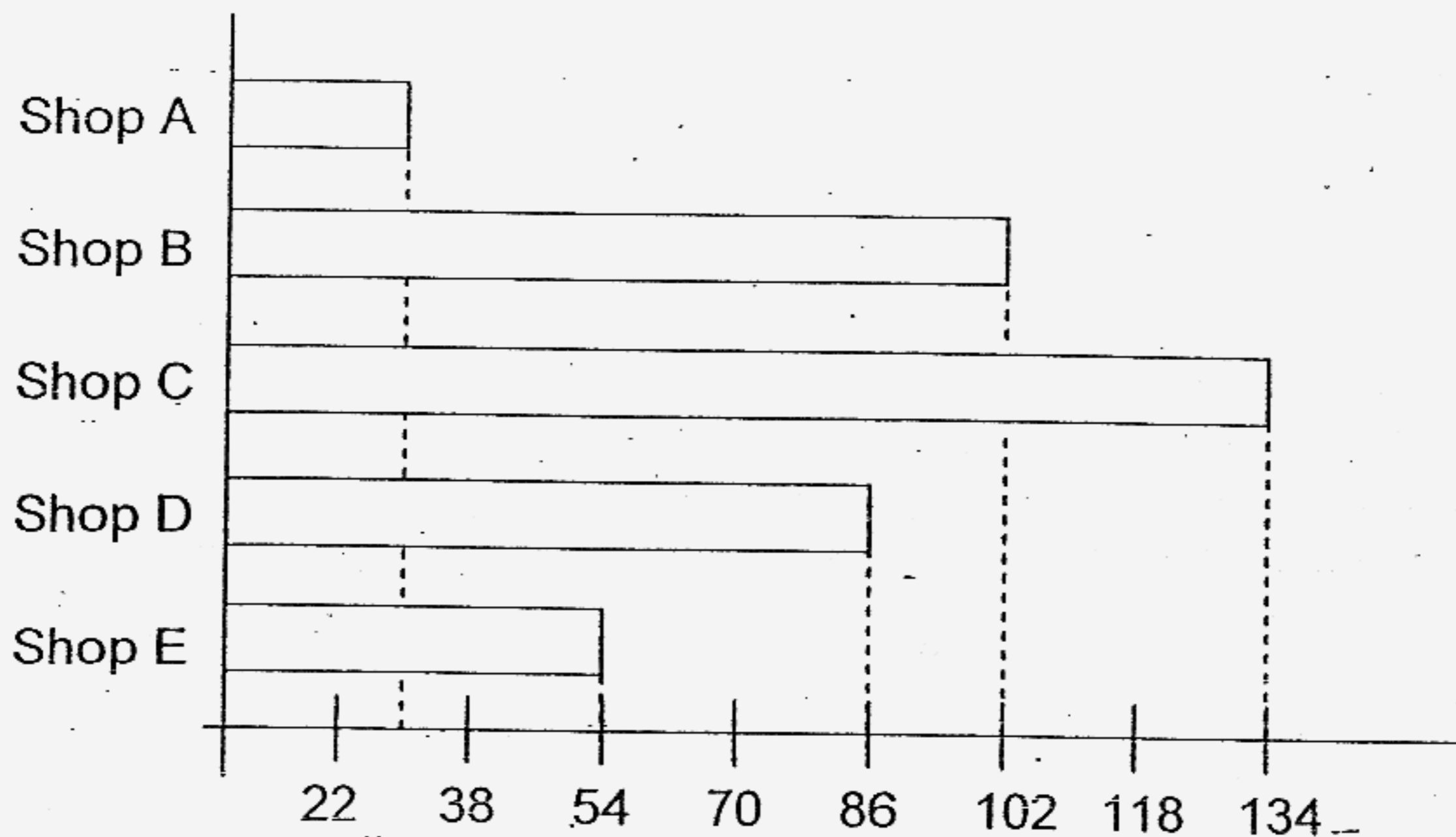
Which 2 shops sold a total of 116 cakes?

(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
(3) 33 cm

(2) 28 cm
(4) 39 cm

18. Which one of the following is the heaviest?

(1) 4 kg 3 g
(3) 4 kg 33 g

(2) 4 kg 30 g
(4) 4 kg 303 g

5

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.

Name : _____ (   )

Class : Primary 3_____

CHIJ ST NICHOLAS GIRLS' SCHOOL

Primary 3

Second Semestral Assessment – 2007

Mathematics
Booklet B

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SECTION B: (20 x 2 marks)

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. $9 \times 9 = \boxed{} \times 9 + 4 \times 9$

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: _____

8
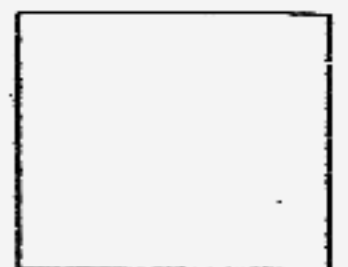
25. Faith took 1 h 30 min to complete her school work.
     She finished at 2.15 p.m.
     At what time did she start doing it?

     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 ÷ 8.

     Ans: _____

9

Do not write in this space

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?
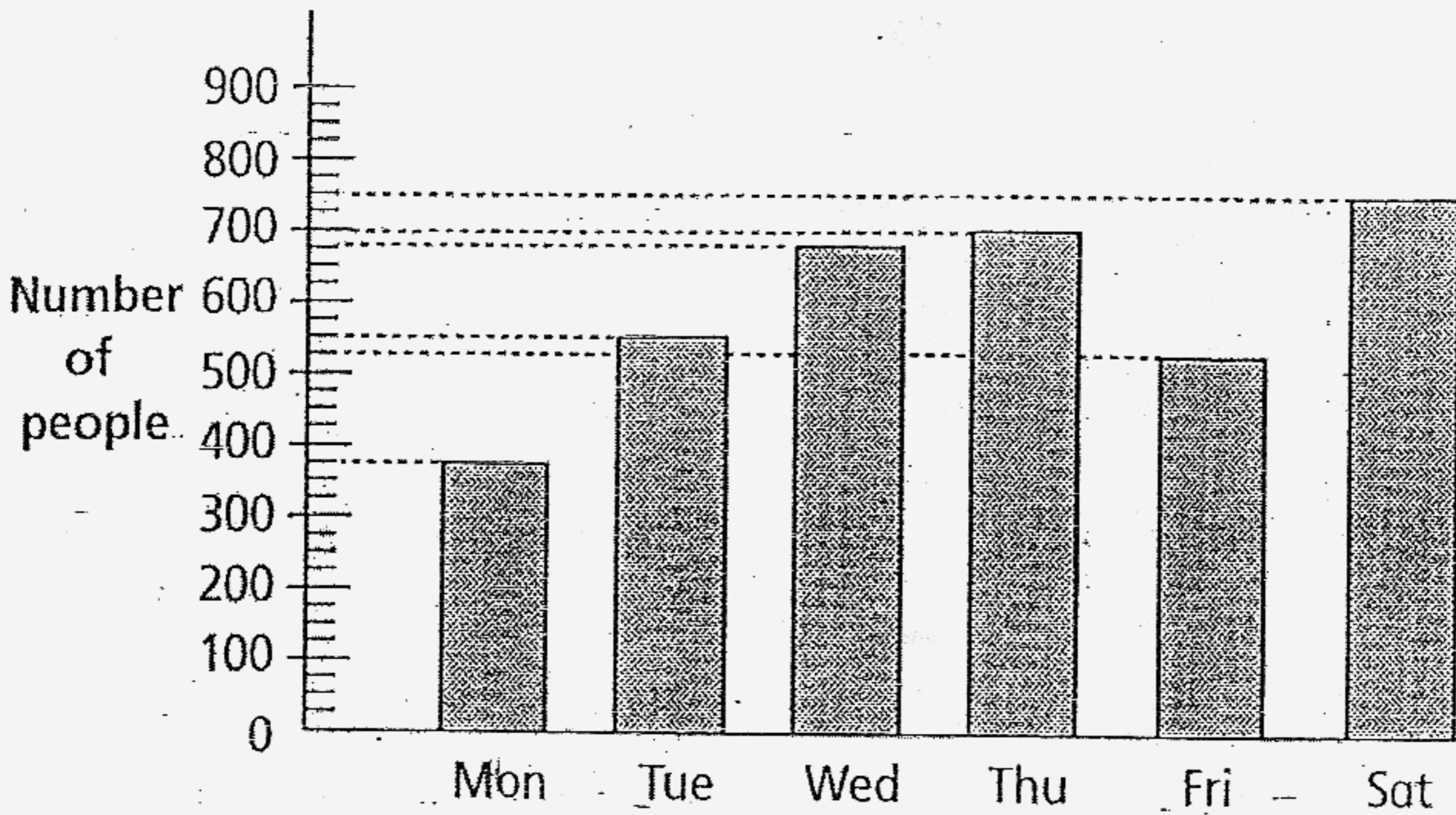   (Give your answer in the simplest form.)

    Ans: _____

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

    Ans: _____ kg _____ g

10

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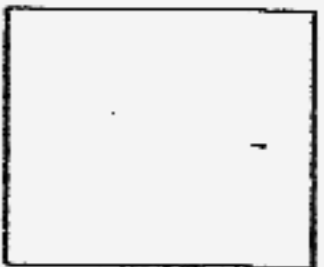
33. The total number of people who visited the school library on Monday and Thursday is the same as the total number of people who visited on Friday and _____.
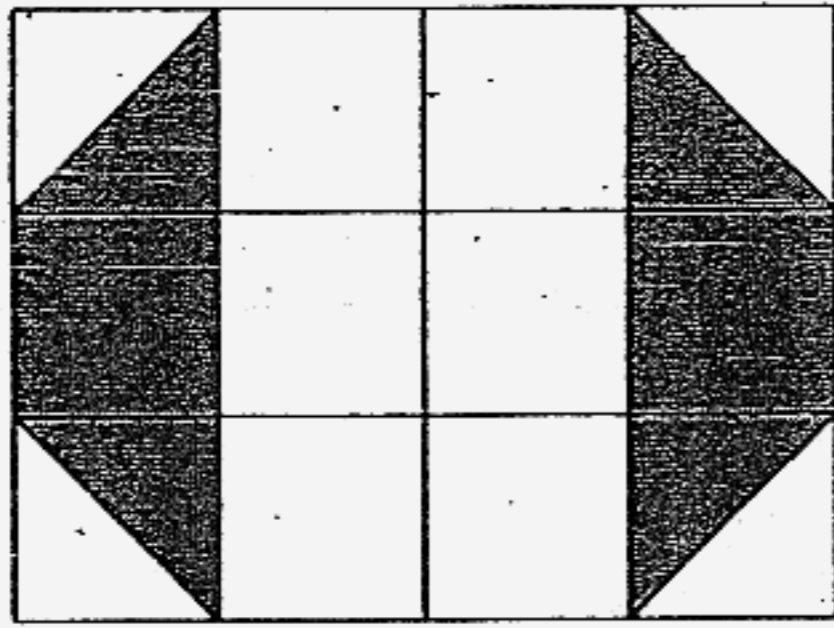
Ans: _____

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?
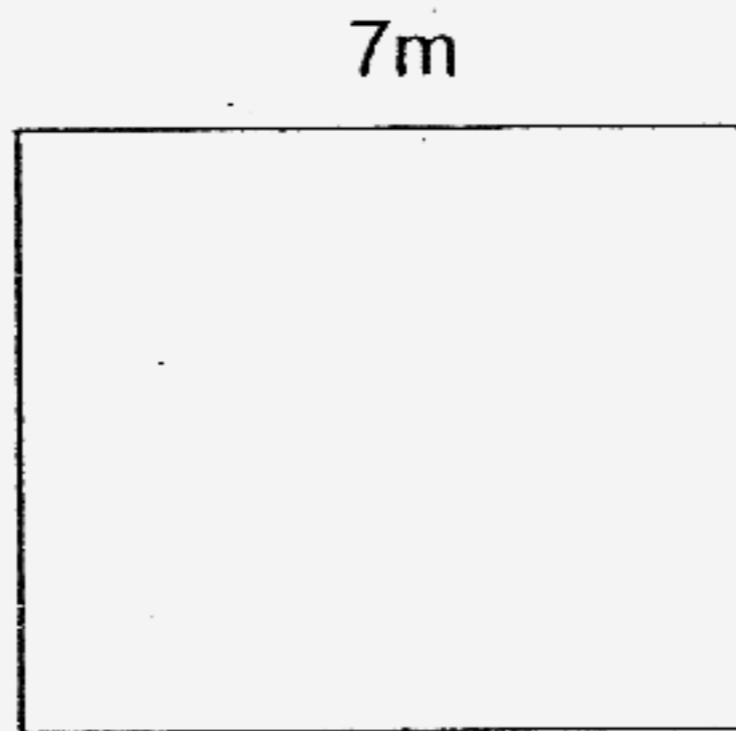
Ans: _____ boys

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: _____ m^2

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

12

Do not write in this space

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

Ans: _____ m^2

39. (a) 10 kg = _____ g

(b) 2005 mℓ = _____ ℓ _____ mℓ

Ans: (a) _____ g

(b) _____ ℓ _____ mℓ

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

Ans: _____ _____ _____

13

SECTION C: (5 x 4 marks)
Solve the following problems.
All mathematical working and statements must be shown clearly.

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?

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?

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.)

Do not write in this space

17
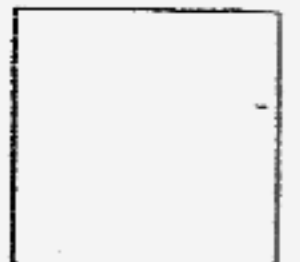
45. Mr Kumar left home at 2.15 p.m. and reached the stadium half an hour later.
He trained for three hours and took a taxi home.
When he reached home, it was already 6.20 p.m.
How long did it take him to reach home?
(Draw and label the time-line.)

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. $\dfrac{3}{4}$

31. $\dfrac{1}{4}$

32. 3kg 875g

33. Tuesday

34. 480 boys

35. $\dfrac{1}{3}$

36. Area = 49m²
    Perimeter = 28m

37. 500mℓ

38. 774m²

39a. 10000g
39b. 2ℓ 5mℓ

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

41. 9kg 890g − 240g = 9kg 650g
9650g ÷ 2 = 4825g
The mass of the cat is 4kg 825g

42a. 835m + 258m = 1093m
She had 1093m in all

42b. 2400m − 1093m = 1307m
She was 1307m away from the finishing point.

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

44. 8400mℓ ÷ 8 = 1050mℓ
8400mℓ − 1050mℓ = 7350mℓ
7ℓ 350mℓ is the amount it can hold.