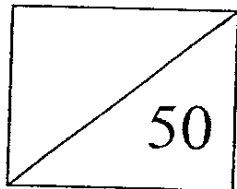# Methodist Girls' School (Primary)
2006 Continual Assessment 2
Primary 3
Mathematics

Name: _____ (   )

Class: _____

Date: _25 August 2006_

Marks:

$$\boxed{\diagdown\ 50}$$

Parent's signature: _____

Section A: Mental Sums (10 x ½ marks)

1. _____   6. _____

2. _____   7. _____

3. _____   8. _____

4. _____   9. _____

5. _____   10. _____

Section B: (5 x 2 marks)

Choose the correct answer and write its number (1, 2, 3 or 4) in the brackets provided.

11. What is the difference between $5 and 25 5-cent coins?

    (1) $1.25

    (2) $3.75

    (3) $4.75

    (4) $4.95   (   )

12. Which one of the following is the same as thirty-five dollars?

    (1) 7 fifty-cent coins

    (2) 70 fifty-cent coins

    (3) 700 fifty-cent coins

    (4) 7000 fifty-cent coins   (   )

13.   Express 2 080 g in kg and g.

(1)   2 kg 8 g

(2)   2 kg 80 g

(3)   20 kg 8 g

(4)   20 kg 80 g

(   )

14.   The mass of 3 books is 4 kg 850 g. The mass of one of the books is
2 kg 230 g. The mass of the second book is 1 kg 540 g.
What is the mass of the third book?

(1)   1 kg   80 g

(2)   2 kg 620 g

(3)   3 kg 310 g

(4)   3 kg 770 g

(   )

15.   The capacity of a pail was 5 litres. 1 080 *ml* of water was poured in,
followed by 1 *l* 730 *ml* of water. How much <u>more</u> water was needed to fill
the pail to the brim?

(1)   2 *l* 190 *ml*

(2)   2 *l* 810 *ml*

(3)   3 *l* 270 *ml*

(4)   3 *l* 920 *ml*

(   )

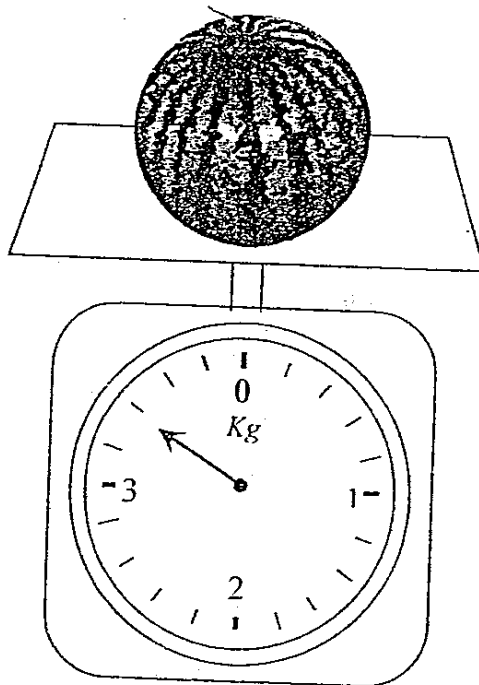## Section C: (15 x 1 marks)
Fill in the boxes with the correct answer.

16.   Find the sum of 2 thousands, 5 hundreds and 13 tens.

17.   What is the **smallest** odd number that can be formed with the digits 3, 5, 6 and 8?

18.   What is the mass of the watermelon?

kg	g

34

The table below shows the menu at a Hong Kong Cafe. Study it carefully and answer questions 19 – 22.

Items on the menu	Price
Milk Tea	$2.50
French Toast	$3.80
Mango Pomelo	$4.10

19.   If I order one milk tea and one French Toast, how much do I have to pay?
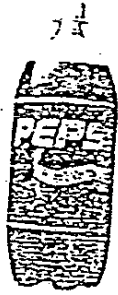
$\boxed{\$ \qquad}$

20.   If I give the cashier 3 two-dollar notes for one mango pomelo, how much change will I get?

$\boxed{\$ \qquad}$

21.   If I have one ten-dollar note, will I be able to buy all three items on the menu?

$\boxed{\qquad}$

22.   If I gave the cashier 1 ten-dollar note and received $6.20 in change, which item on the menu did I order?

$\boxed{\qquad}$
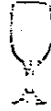
23. A mug of water and a glass of water are poured into a bottle.
    How much **more** water is needed to fill the bottle to its brim?

$7\frac{1}{4}$

Bottle
2 *l*

Mug
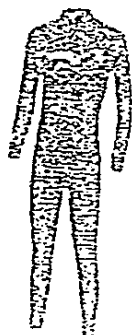330 *ml*

Glass
125 *ml*

l	*ml*

24. On a journey, Car A used 23 *l* 870 *ml* of petrol while Car B used
    18 *l* 405 *ml* of petrol. How much **less** petrol did Car B use? Express your
    answer in litres and millilitres.

l	*ml*

36

The diagram below shows some diving equipment. Study it carefully and answer questions 25 and 26.

Wetsuit	Flippers	Mask with	Diving Tank
1 kg 120 g	450 g	Snorkel	15 kg
		345 g	

25. What is the total mass of the wetsuit, flippers and the mask with snorkel? Express your answer in kilograms and grams.
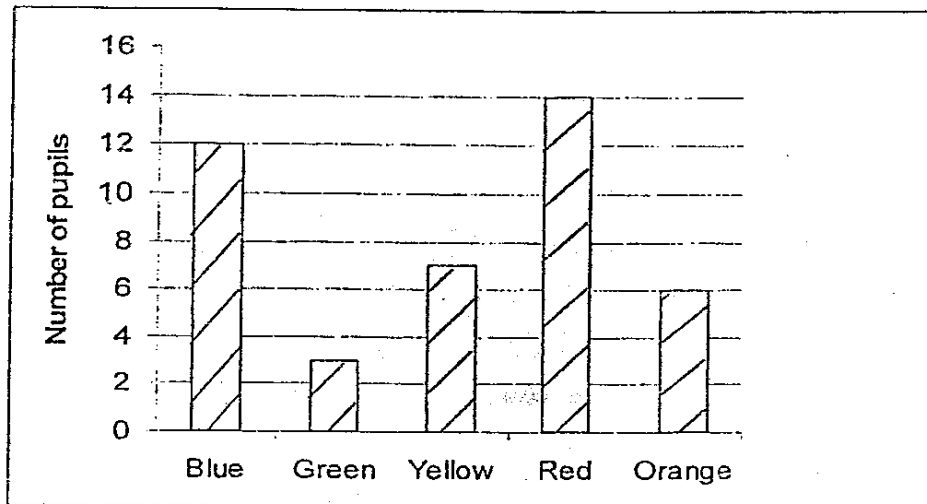
kg	g

26. What is the difference in mass between a diving tank and the mask with snorkel? Express your answer in kilograms and grams.

kg	g

The bar graph below shows the number of pupils in a class who like the different colours. Study it carefully and answer questions 27 – 30.

27. What is the total number of pupils in the class?

28. The number of pupils who like orange is twice the number who like
_____ .

29. Which colour is the most popular?

30. How many more pupils prefer blue to yellow?

38

Section D: (5 x 4 marks)
Solve the following problems. All workings must be shown clearly.

31.   After buying a blouse which cost $17.90 and a skirt which cost $24.70, Jenny had $5.80 left. How much did she have at first?

32.   Alex wants to buy a toy car which costs $36.80.
In his piggy bank, he has 1 ten-dollar note, 3 five-dollar notes, 4 two-dollar notes, 8 twenty-cent coins and 3 ten-cent coins
    (a)   How much money does he have?
    (b)   How much more money does he need?

39

33. Kevin put his laptop and some files into his bag.
The mass of his laptop was 1 kg 690 g. The mass of his files was 230 g.
The total mass of his bag, laptop and files was 4 kg 980 g.
What was the mass of Kevin's bag?

34. A pail can hold five times as much water as a cup.
The capacity of a cup is 250 ml.
It takes 1 pail and 3 cups to fill a basin.
(a)   What is the capacity of a pail?
(b)   What is the capacity of the basin?

40

35. Ben and Julius had the same number of sweets at first.
After Ben had given away 18 sweets and Julius had given away 24
sweets, they had a total of 46 sweets left.
How many sweets did each of them have at first?

END OF PAPER

Answer Sheets
Methodist Girls' Pri 3 CA2 / 2006 Maths

11) **2**   12) **2**   13) **2**   14) **1**   15) **1**

16. 2 thousand = 2 x 1000 = 2000
    5 hundred = 5 x 100 = 500
    13 tens = 13 x 10 = 130
    2000 + 500 + 130 = **2630**

17. 3685

18. 3kg 400g

19. Milk Tea = $2.50
    French Toast = $3.80
    $(2.50 + 3.80) = **$6.30**

20. 3 x $2.00 = $6.00
    $(6.00 − 4.10) = **$1.90 change**

21. **No**
    $(2.50 + 3.80 + 4.10) = $10.40

22. $10.00 − $6.20 = $3.80
    French toast

23. 330mℓ + 125mℓ = 455mℓ
    2000mℓ − 455mℓ = 1545mℓ
    = **1ℓ 545mℓ**

24. Car A = 23ℓ 870mℓ = 23870mℓ
    Car B = 18ℓ 405mℓ = 18405mℓ
    (23870 − 18405)mℓ = **5ℓ 465mℓ**

25. Wetsuit = 1kg 120g (1120g)
    Flippers = 450g
    Mask with
    Snorkel = 345g
    (1120 + 450 + 345)g = 1915g
    = **1kg 915g**

26. Diving tank = 15kg(15000g)
    Mask with
    Snorkel = 345g
    (15000 − 345) = 14655g
    = **14kg 655g**

27. 12 + 3 + 7 + 14 + 6 = **42 pupils**

28. Orange = 6
    Green = 3

29. Red

30. Blue = 12
    Yellow = 7
    12 − 7 = **5 more pupils**

31. $(17.90 + 24.70) = $42.60
     $(42.60 + 5.80) = $48.40

     She has **$48.40** at first

32a. 1 x $10.00   = $10.00
     3 x $5.00   = $15.00
     4 x $2.00   = $ 8.00
     8 x $0.20¢   = $ 1.60
     3 x $0.10¢   = $ 0.30
                       $34.90

     He has **$34.90¢**

  b. $(36.80 − 34.90) = $1.90

     He needs **$1.90** more

33. Laptop   = 1kg 690g (1690g)
     Files   = 230g
     (1690 + 230)g = 1920g
     (4980 − 1920) = 3060g
                   = 3kg 60g

     The mass of his bag is **3kg 60g**

34a. 1 Cup   = 250mℓ
      5 cups = 250mℓ x 5 = 1250mℓ

      1 pail = 1250mℓ
              = 1ℓ 250mℓ

34b. 3 cups = 250mℓ x 3 = 750mℓ
      1 pail = 1250mℓ
              = 1250mℓ + 750mℓ
              = 2000mℓ
              = 2ℓ

     The capacity of the basin is **2ℓ**

35. 18 + 24 = 42 sweets
     (42 + 46) sweets = 88 sweets
     88 ÷ 2 = 44 sweets

     Each of them have **44 sweets** at first.