Nanyang Primary School
Primary 4
Mathematics
Term 2 Weighted Assessment

Name: _____ ( )

Marks: /20

Class: Primary 4 ( )

Date: _____ Parent's Signature: _____

Duration: 40 minutes

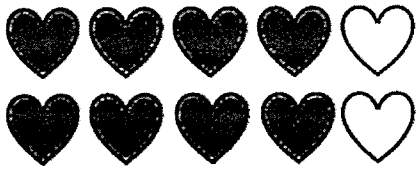
Please sign and return the paper the next day. Any queries should be raised at the same time when returning paper.

Questions **1** to **3** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer (1, 2, 3 or 4) in the bracket ( ) provided.

(6 marks)

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1. What fraction of the hearts are shaded? Express your answer in its simplest form.



(1) $\frac{1}{5}$

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

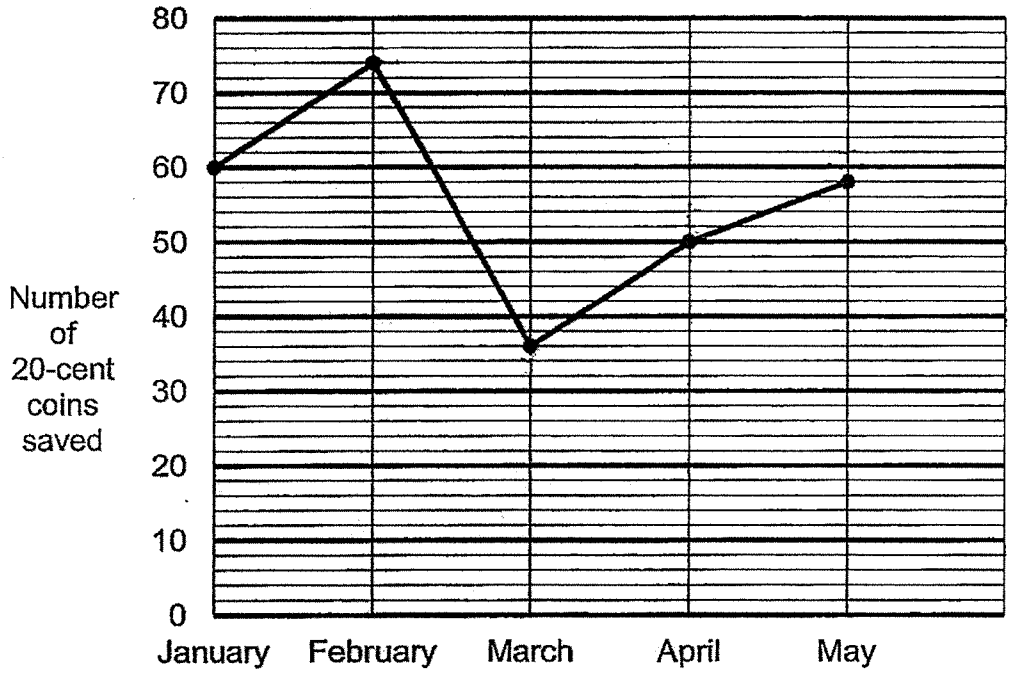
(3) $\frac{4}{5}$

(4) $\frac{8}{10}$

( )

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The graph below shows the number of 20-cent coins James saved in 5 months. Use the graph to answer questions 2 and 3.



2. How many 20-cent coins did James save in May?

(1) 54

(2) 58

(3) 59

(4) 60

( )

3. How many more 20-cent coins did James save in February than in April?

(1) 10

(2) 14

(3) 22

(4) 24

( )

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Questions **4** to **8** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (10 marks)

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4. The table below shows the number of apples and oranges sold by two fruit stores.

Store	Number of oranges sold	Number of apples sold
A	37	56
B	?	45
Total	70	101

(a) How many oranges did store B sell?

Ans: _____

(b) How many more apples than oranges did store A sell?

Ans: _____

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5. There are 40 students in the class. $\frac{3}{8}$ of them are boys. How many girls are there in the class?

Ans: _____

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6. Solve the following questions. Express your answer as a mixed number in its simplest form.

(a) $\frac{4}{7} + \frac{1}{2} =$

Ans: (a) _____

(b) $4 - \frac{3}{9} =$

Ans: (b) _____

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7. Sarah ran $\frac{4}{5}$ km on Monday. She ran $\frac{3}{4}$ km less on Tuesday than on Monday. What was the total distance she ran on Monday and on Tuesday?

Ans: _____ km

---

8. There are 4 bags, A, B, C and D. The mass of the 4 bags is shown below:

$$\frac{15}{4}\text{ kg} \quad , \quad 3\frac{2}{3}\text{ kg} \quad , \quad \frac{11}{6}\text{ kg} \quad , \quad \frac{1}{4}\text{ kg}$$

Bag A is the lightest. The mass of Bag B is between 1 kg and 2 kg. Bag C is heavier than Bag D. What is the mass of Bag D?

Ans: _____ kg

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For question 9, 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. (4 marks)

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9. Denise baked 36 chocolate muffins and some blueberry muffins. $\frac{2}{9}$ of the muffins baked were chocolate muffins and the rest were blueberry muffins.

(a) How many blueberry muffins did she bake?

Ans: (a) _____ [2]

(b) How many more blueberry muffins than chocolate muffins did she bake?

Ans: (b) _____ [2]

End of Paper

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Please sign and return the paper the next day. Any queries should be raised at the same time when returning paper.

Questions 1 to 3 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4) and write your answer (1, 2, 3 or 4) in the bracket ( ) provided.

(6 marks)

1. What fraction of the hearts are shaded? Express your answer in its simplest form.



(1) $\frac{1}{5}$

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

(3) $\frac{4}{5}$

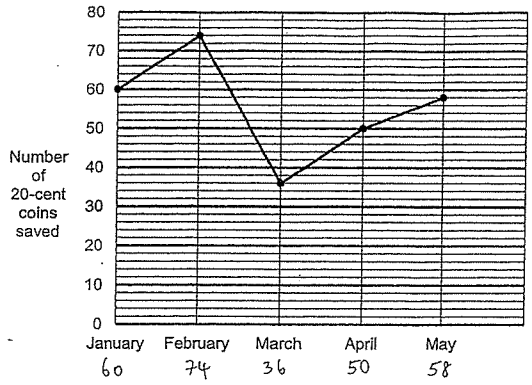
(4) $\frac{8}{10}$

$\frac{8 \div 2}{10 \div 2} = \frac{4}{5}$

(2)

1

months. Use the graph to answer questions 2 and 3.



2. How many 20-cent coins did James save in May?

(1) 54

(2) 58

(3) 59

(4) 60

(3)

3. How many more 20-cent coins did James save in February than in April?

74 ↓ 50 ↓

(1) 10

(2) 14 $74 - 50 = 24$

(3) 22

(4) 24

(4)

2

Questions 4 to 8 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(10 marks)

4. The table below shows the number of apples and oranges sold by two fruit stores.

Store	Number of oranges sold	Number of apples sold
A	37	56
B	?	45
Total	70	101

(a) How many oranges did store B sold?

$70 - 37 = 33$

$\begin{array}{r} 6\ 10 \\ 7\ 0 \\ -\ 3\ 7 \\ \hline 3\ 3 \end{array}$

Ans: 33

(b) How many more apples than oranges did store A sell?

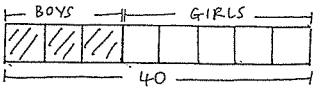
$56 - 37 = 19$

$\begin{array}{r} 4\ 16 \\ 5\ 6 \\ -\ 3\ 7 \\ \hline 1\ 9 \end{array}$

Ans: 19

3

5. There are 40 students in the class. $\frac{3}{8}$ of them are boys. How many girls are there in the class?



8 units → 40

1 unit → $40 \div 8 = 5$

5 units → $5 \times 5 = 25$

Ans: 25

6. Solve the following questions. Express your answer as a mixed number in its simplest form.

(a) $\frac{4}{7} + \frac{1}{2} = \frac{8}{14} + \frac{7}{14}$

$= \frac{15}{14}$

$= 1\frac{1}{14}$

Ans: (a) $1\frac{1}{14}$

(b) $4 - \frac{3}{9} = 3\frac{9}{9} - \frac{3}{9}$

$= 3\frac{6}{9}$

$= 3\frac{2}{3}$

Ans: (b) $3\frac{2}{3}$

4

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7. Sarah ran $\frac{4}{5}$ km on Monday. She ran $\frac{3}{4}$ km less on Tuesday than on Monday. What was the total distance she ran on Monday and on Tuesday?

$\frac{4}{5} \times \frac{4}{4} - \frac{3}{4} \times \frac{5}{5} = \frac{16}{20} - \frac{15}{20}$

$= \frac{1}{20}$ (distance ran on Tues)

$\frac{16}{20} + \frac{1}{20} = \frac{17}{20}$

Ans: $\frac{17}{20}$ km

8. There are 4 bags, A, B, C and D. The mass of the 4 bags is shown below:

C	D	B	A
$\frac{15}{4}$ kg	$3\frac{2}{3}$ kg	$\frac{11}{6}$ kg	$\frac{1}{4}$ kg
$3\frac{3}{4}$			

Bag A is the lightest. The mass of Bag B is between 1 kg and 2 kg. Bag C is heavier than Bag D. What is the mass of Bag D?

$\frac{15}{4} = \frac{12}{4} + \frac{3}{4}$

$= 3\frac{3}{4}$

$\frac{11}{6} = \frac{6}{6} + \frac{5}{6}$

$= 1\frac{5}{6}$ (Bag B)

Compare $3\frac{3}{4}$ and $3\frac{2}{3}$

$3\frac{3 \times 3}{4 \times 3} = 3\frac{9}{12}$ (Bag C)

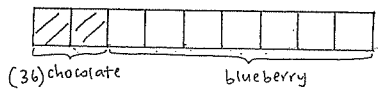
$3\frac{2 \times 4}{3 \times 4} = 3\frac{8}{12}$ (Bag D)

Ans: $3\frac{2}{3}$ kg

For question 9, 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. (4 marks)

9. Denise baked 36 chocolate muffins and some blueberry muffins. $\frac{2}{9}$ of the muffins baked were chocolate muffins and the rest were blueberry muffins.

(a) How many blueberry muffins did she bake?



2 units → 36

1 unit → $36 \div 2 = 18$

7 units → $18 \times 7 = 126$

Ans: (a) 126 [2]

(b) How many more blueberry muffins than chocolate muffins did she bake?

$126 - 36 = 90$

Ans: (b) 90 [2]

End of Paper

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