Nan Hua Primary School
Primary 3 Mathematics
Term 3 Weighted Assessment 2021

Marks	
Section A:	/14
Section B:	/6
Total:	**/20**

Name: _____ ( )

Class: Primary 3 / _____

Date: _____

_____
Parent's Signature

Answer <u>all</u> questions.

<u>Section A Part 1 (4 marks)</u>

Questions **1** to **4** carry 1 mark 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 in the bracket provided.

1. Which of the following fractions is the equivalent fraction of $\frac{3}{4}$?

(1) $\frac{3}{12}$

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

(3) $\frac{9}{12}$

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

Score	/ 1

2. Which of the following fractions is the smallest fraction?

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

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

(3) $\frac{6}{9}$

(4) $\frac{8}{9}$ ( )

3. Which of the following fractions is in its simplest form?

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

(2) $\frac{4}{6}$

(3) $\frac{5}{10}$

(4) $\frac{6}{7}$ ( )

Score	/ 2

4. Which of the following fractions is smaller than $\frac{1}{2}$?

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

(2) $\frac{5}{12}$

(3) $\frac{6}{9}$

(4) $\frac{7}{11}$ ( )

Section A Part 2 (10 marks)

Questions **5** and **6** carry 1 mark each. Questions **7** to **10** carry 2 marks each.
Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

5. $\frac{5}{8} - \frac{1}{2} =$?

6. $\frac{4}{5} + \frac{1}{10} =$?

Score	/ 3

7. (a) What fraction must be added to $\frac{3}{8}$ to make $\frac{7}{8}$?

Express your answer in its simplest form.

7. (b) What fraction must be added to $\frac{9}{11}$ to make 1 whole?

8. (a) $\boxed{?} - \frac{1}{9} = \frac{5}{9}$

What is the missing fraction?

Express your answer in its simplest form.

8. (b) $\frac{11}{12} - \boxed{?} = \frac{2}{3}$

What is the missing fraction?

Express your answer in its simplest form.

Score	
	4

9. (a) Arrange the following fractions in order.
Begin with the **smallest** fraction.

$\frac{7}{12}$, $\frac{5}{6}$, $\frac{1}{3}$

[ ] , [ ] , [ ]

Smallest

9. (b) Arrange the following fractions in order.
Begin with the **greatest** fraction.

$\frac{2}{5}$, $\frac{2}{9}$, $\frac{2}{3}$

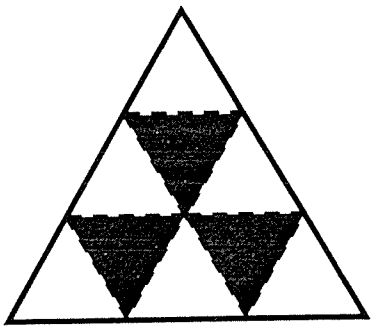
[ ] , [ ] , [ ]

Greatest

Score	/ 2

10. (a) What fraction of the figure below is **shaded**?

Express your answer in its simplest form.



10. (b) Daniel wants to colour $\frac{8}{9}$ of the above figure.

How many **more** triangles must he colour to make $\frac{8}{9}$?

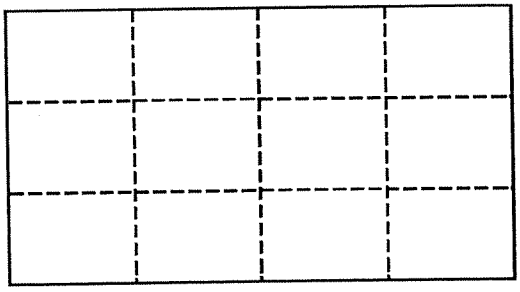
Score	/ 2

Section B (6 marks)

Questions **11** and **12** carry 3 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.

11. (a) The figure below shows a cake that is cut into equal pieces.

Shade $\frac{2}{3}$ of the figure below. [1 mark]



11. (b) Mrs Tan had $\frac{2}{3}$ of the cake as shown above.

She ate $\frac{5}{12}$ of the cake.

What fraction of the cake was **left**?

Express your answer in its simplest form. [2 marks]

Ans:

Score	
	3

12. (a) John ate $\frac{1}{2}$ of a whole pizza. David ate $\frac{1}{10}$ of the same pizza.

What fraction of the pizza did they eat **in all**?

Express your answer in its simplest form. [2 marks]

Ans: _____

12. (b) What fraction of the pizza was **left**? [1 mark]

Ans: _____

End of Paper

Score	
	3

NHPS

2021 P3 Math WA3 ANSWER

Section A Part 1

1	3
2	1
3	4
4	2

Section A Part 2

5	$\frac{1}{8}$	6	$\frac{9}{10}$
7	(a) $\frac{1}{2}$ (b) $\frac{2}{11}$	8	(a) $\frac{2}{3}$ (b) $\frac{1}{4}$
9	(a) $\frac{1}{3}$, $\frac{7}{12}$, $\frac{5}{6}$ smallest ---> greatest (b) $\frac{2}{3}$, $\frac{2}{5}$, $\frac{2}{9}$ greatest ---> smallest	10	(a) $\frac{1}{3}$ (b) 5 more triangles

Section B

11	(a) Shade / Colour any 8 small rectangles in the figure. (b) $\frac{2}{3} - \frac{5}{12} = \frac{8}{12} - \frac{5}{12}$ $= \frac{3}{12}$ $= \frac{1}{4}$	12	(a) $\frac{1}{2} + \frac{1}{10} = \frac{5}{10} + \frac{1}{10}$ $= \frac{6}{10}$ $= \frac{3}{5}$ (b) $1 - \frac{3}{5} = \frac{2}{5}$

END