Nanyang Primary School
Primary 5
Mathematics
Term 1 Weighted Assessment

Name: _____ _____ ( )

Marks: /20

Class: Primary 5 ( )

Date: _____ Parent's Signature: _____

Duration: 45 minutes

The use of calculators is **NOT** allowed.

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

Questions **1** to **3** carry 1 marks each. Questions **4** to **5** 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.

(7 marks)

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1 Find the value of 6 400 000 ÷ 400

(1) 1 600 000

(2) 160 000

(3) 16 000

(4) 1600

( )

2 Find the value of $2 \times 24 - (24 - 8 \div 2) \div 4$

(1) 7

(2) 10

(3) 43

(4) 46

( )

3 Find the value of $6 \times \frac{4}{9}$

(1) $\frac{2}{27}$

(2) $\frac{27}{2}$

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

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

( )

4 There were 5ℓ of orange juice in the fridge.

John drank 2ℓ of the orange juice.

Paul drank $\frac{2}{5}$ as much orange juice as John.

How much orange juice was left in the fridge?

(1) $2\frac{1}{5}\ell$

(2) $2\frac{3}{5}\ell$

(3) $2\frac{4}{5}\ell$

(4) $4\frac{1}{5}\ell$

( )

5 The first 22 numbers of a number pattern are given below.

5, 0, 3, 4, 5, 0, 5, 0, 3, 4, 5, 0, 5, 0, 3, 4, 5, 0, 5, 0, 3, 4, ...
1st 22nd

Find the sum of the first 88 numbers.

(1) 242

(2) 250

(3) 252

(4) 264

( )

Questions **6** to **8** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(3 marks)

6 Write eight hundred and nine thousand and seven in numerals.

Ans: _____

7 Find the value of $46 \div 8$. Express your answer as a mixed number.

Ans: _____

8 Express $3\frac{1}{200}$ as a decimal.

Ans: _____

Questions 9 to 13 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)

---

9 Mr Tan saves $1500 each month. How much does he save in 30 years?

Ans: $_____

---

10 Ali and Bob were at a carnival. Ali had 25 500 tokens. Ali had 3 times as many tokens as Bob. Ali gave some tokens to Bob. At the end, Ali and Bob had the same number of tokens. How many tokens did Ali give to Bob?

Ans: _____

---

11 A room measures $\frac{3}{4}$ m by 6 m. Find the area of the room.
Express your answer as an improper fraction in its simplest form.

Ans: _____ m^2

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12 Ming had some cookies at first. He sold $\frac{6}{7}$ of the cookies. He then baked another $\frac{1}{2}$ of what he originally had at first. He had 1512 cookies at the end. How many cookies did Ming have at first?

Ans: _____

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13 The sum of the perimeter of two different squares is 40 cm.
The difference between the area of the two squares is 40 cm^2.
Find the length of the larger square.

Ans: _____ cm

End of Paper

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Primary 5
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Name: Answer Key ( )

Class: Primary 5 ( )

Marks: /20

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Questions 1 to 3 carry 1 marks each. Questions 4 to 5 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.

(7 marks)

---

1 Find the value of 6 400 000 ÷ 400

(1) 1 600 000
(2) 160 000
(3) 16 000
(4) 1600

6 400 000 ÷ 4 ÷ 100
= 16 000
(64 ÷ 4 = 16)

(3)

2 Find the value of 2 × 24 − (24 − 8 ÷ 2) ÷ 4

(1) 7
(2) 10
(3) 43
(4) 46

2 × 24 − (24 − 8 ÷ 2) ÷ 4
= 48 − (24 − 4) ÷ 4
= 48 − 20 ÷ 4
= 48 − 5
= 43

(3)

3 Find the value of $6 \times \frac{4}{9}$

(1) $\frac{2}{27}$
(2) $\frac{27}{2}$
(3) $\frac{3}{8}$
(4) $\frac{8}{3}$

$2\cancel{6} \times \frac{4}{\cancel{9}_3} = \frac{8}{3}$

(4)

4 There were 5ℓ of orange juice in the fridge.

John drank 2ℓ of the orange juice.

Paul drank $\frac{2}{5}$ as much orange juice as John.

How much orange juice was left in the fridge?

(1) $2\frac{1}{5}\ell$
(2) $2\frac{3}{5}\ell$
(3) $2\frac{4}{5}\ell$
(4) $4\frac{1}{5}\ell$

Paul drank → $\frac{2}{5} \times 2\ell = \frac{4}{5}\ell$
(John) (Paul)
$5\ell - 2\ell - \frac{4}{5}\ell$
$= 3\ell - \frac{4}{5}\ell$
$= 2\frac{1}{5}\ell$

(1)

5 The first 22 numbers of a number pattern are given below.

$[\underset{1^{st}}{5}, 0, 3, 4, 5, 0, \underset{7^{th}}{5}, 0, 3, 4, 5, 0, 5, 0, 3, 4, 5, 0, 5, 0, 3, \underset{22^{nd}}{4}, \ldots]$

Find the sum of the first 88 numbers.

(1) 242
Ans (2) 250
(3) 252
(4) 284

- There are 6 numbers in 1 set
- $\frac{88}{6} = 14\frac{4}{6}$ or 14R4
- There are 14 sets and next 4 numbers in the first 88 numbers
- First 4 numbers will add to → 5+0+3+4=12
- Each set is 5+0+3+4+5+0=17
- Total → (14×17)+12 = 250

(2)

Questions 6 to 8 carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(3 marks)

---

6 Write eight hundred and nine thousand and seven in numerals.

800 000 + 9 000 + 7
= 809 007

Ans: 809 007

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7 Find the value of 46 ÷ 8. Express your answer as a mixed number.

$46 \div 8 = \frac{46}{8}$
$= 5\frac{6}{8}$

Ans: $5\frac{6}{8}$

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8 Express $3\frac{1}{200}$ as a decimal.

$3\frac{1}{200} = 3\frac{5}{1000}$
= 3.005

Ans: 3.005

Questions 9 to 13 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)

9 Mr Tan saves $1500 each month. How much does he save in 30 years?

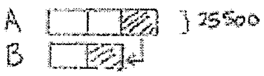
Number of months → 30 × 12 = 360

Total savings → 360 × $1500

= $540 000

Ans: $ 540 000

10 Ali and Bob were at a carnival. Ali had 25 500 tokens. Ali had 3 times as many tokens as Bob. Ali gave some tokens to Bob. At the end, Ali and Bob had the same number of tokens. How many tokens did Ali give to Bob?



25 500 ÷ 3 = 8500

Ans: 8500

11 A room measures $\frac{3}{4}$ m by 6 m. Find the area of the room. Express your answer as an improper fraction in its simplest form.

$\frac{3}{4} \times 6 = \frac{9}{2}$

Ans: $\frac{9}{2}$ m^2

12 Ming had some cookies at first. He sold $\frac{6}{7}$ of the cookies. He then baked another $\frac{1}{2}$ of what he originally had at first. He had 1512 cookies at the end. How many cookies did Ming have at first?

Remainder after selling → $1 - \frac{6}{7} = \frac{1}{7}$

Total after more baking → $\frac{1}{7} + \frac{1}{2}$

$= \frac{2}{14} + \frac{7}{14}$

$= \frac{9}{14}$

$\frac{9}{14}$ → 1512

Cookies at first → 1512 ÷ 9 × 14 = 2352

Ans: 2352

13 The sum of the perimeter of two different squares is 40 cm. The difference between the area of the two squares is 40 cm^2. Find the length of the larger square.

Length of larger square	Area of larger square	Perimeter of larger square	Length of smaller square	Area of smaller square	Perimeter of smaller square	Sum of Perimeter	Difference in area
7 cm	7cm × 7cm = 49cm^2	4×7cm = 28cm	3cm	3cm × 3cm = 9cm^2	4×3cm = 12cm	28cm + 12cm = 40cm	49cm^2 − 9cm^2 = 40cm^2

Ans: 7 cm

End of Paper