

Nanyang Primary School
Primary 5
Mathematics
Term 1 Weighted Assessment

Name: _____ ()

Class: Primary 5 ()

Date: _____

Parent's Signature: _____

Marks:

/20

Duration: 40 minutes

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

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

Questions 1 to 4 carry 1 mark each. Questions 5 to 7 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.

(10 marks)

1 Which of the following is five million, three hundred and six thousand, two hundred and eighteen in numerals?

(1) 5 036 218

(2) 5 306 218

(3) 5 306 280

(4) 5 360 218

()

2 In 94 387, which digit is in the thousands place?

(1) 7

(2) 9

(3) 3

(4) 4

()

3 What is the value of $56 - (9 + 7) \div 8 \times 2$?

(1) 10

(2) 52

(3) 55

(4) 108

()

4 Find the value of 502×800 .

(1) 40 160

(2) 41 600

(3) 401 600

(4) 416 000

()

5 At first, Mrs Quek had 600 tarts. She gave 180 tarts to Mdm Raju and received 100 tarts from Miss Siti. She then packed all the tarts into bags of 20 tarts each. How many such bags of tarts did Mrs Quek have in the end?

- (1) 21
- (2) 26
- (3) 34
- (4) 44

()

6 Kevin had some clips, marbles and stickers. He had 294 clips. He had 7 times as many clips as marbles. He had half as many stickers as clips. How many more stickers than marbles did he have?

- (1) 42
- (2) 105
- (3) 147
- (4) 252

()

7 What is the missing number in the pattern below?

950, 947, 941, 950, 938, 923, 941, 920, 896, 923, _____, 860

- (1) 893
- (2) 896
- (3) 950
- (4) 953

()

Questions 8 to 12 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)

8 Express the following fractions as decimals.

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

Ans: (a) _____

(b) $\frac{6}{7}$ (Give your answer correct to 2 decimal places.)

Ans: (b) _____

- 9 Ismail had 14 kg of flour. He packed all the flour equally into 8 packets. How much flour was there in each packet? Express your answer as a mixed number in its simplest form.

Ans: _____ kg

- 10 A box of cookies at Lee Bakery costs \$25. Company A bought 200 such boxes for an event and Company B bought 80 boxes to donate to charity. Find the total amount of money collected by Lee Bakery from the sale of the boxes of cookies to Company A and Company B.

Ans: \$ _____

- 11 Mr Tan sold three types of tickets for a concert. The table below shows the price of each type of ticket and the number of ticket A and ticket B sold.

Type of ticket	Price per ticket	Number of tickets sold
Ticket A	\$12	40
Ticket B	\$7	36
Ticket C	\$3	?

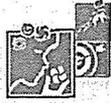
The total amount of money collected from the sale of ticket A and ticket B was four times the amount of money collected from the sale of ticket C. How many ticket C were sold by Mr Tan?

Ans: _____

- 12 Every day, Jing Han placed either a \$2-note or a \$5-note into her piggy bank which was empty at first. Every 20 days, her father also placed a \$10-note into her piggy bank. At the end of 50 days, she had \$222 in her piggy bank. How many of the notes in her piggy bank at the end of 50 days were \$2-notes?

Ans: _____

End of Paper



Name: _____ ()

Marks:
/20

Class: Primary 5 ()

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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 4 carry 1 mark each. Questions 5 to 7 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.

(10 marks)

1 Which of the following is five million, three hundred and six thousand, two hundred and eighteen in numerals?

- (1) 5 036 218
(2) 5 306 218 ✓ $5\,000\,000 + 306\,000 + 200 + 18 = 5\,306\,218$
(3) 5 306 280
(4) 5 360 218

(2)

2 In 94 387, which digit is in the thousands place?

- (1) 7
(2) 9
(3) 3
(4) 4 ✓

(4)

3 What is the value of $56 - (9 + 7) + 8 \times 27$?

- (1) 10
(2) 52 ✓ $= 56 - 16 + 8 \times 27$
(3) 55 $= 56 - 2 \times 2$
(4) 108 $= 56 - 4$

(2)

4 Find the value of 502×800 .

- (1) 40 160
(2) 41 600 ✓ $502 \times 800 = 502 \times 8 \times 100 = 4016 \times 100 = 401600$
(3) 401 600 ✓ 4016×100
(4) 416 000 $= 401600$

(3)

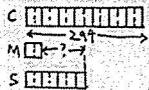
5 At first, Mrs Quek had 600 tarts. She gave 180 tarts to Mdm Raju and received 100 tarts from Miss Sit. She then packed all the tarts into bags of 20 tarts each. How many such bags of tarts did Mrs Quek have in the end?

- (1) 21 $600 - 180 = 420$
(2) 28 ✓ $420 + 100 = 520$
(3) 34 $520 \div 20 = 520 \div 10 \div 2 = 52 \div 2 = 26$
(4) 44 $= 26$

(2)

6 Kevin had some clips, marbles and stickers. He had 294 clips. He had 7 times as many clips as marbles. He had half as many stickers as clips. How many more stickers than marbles did he have?

- (1) 42
(2) 105 ✓ $C \rightarrow 294$
(3) 147 $M \rightarrow 294 \div 7 = 42$
(4) 252 $S \rightarrow 294 \div 2 = 147$
 $147 - 42 = 105$



(2)

7 What is the missing number in the pattern below?

- 950, 047, 041, 050, 038, 023, 041, 020, 096, 023, _____, 860
 $950 - 3 = 947$
 $947 - 6 = 941$
 $941 + 9 = 950$
 $950 - 12 = 938$
 $938 - 15 = 923$
 $923 + 18 = 941$
 $941 - 21 = 920$
 $920 + 24 = 944$
 $944 - 27 = 917$
(1) 883 ✓ $923 - 30 = 893$
(2) 896
(3) 050
(4) 053

(1)

Questions 8 to 12 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)

8 Express the following fractions as decimals.

(a) $\frac{3}{4} = \frac{75}{100} = 0.75$

Ans: (a) 0.75

(b) $\frac{6}{7}$ (Give your answer correct to 2 decimal places.)

$\frac{6}{7} = 6 \div 7 \approx 0.857$
 ≈ 0.86

$\frac{0.857}{7 \overline{) 6.000}}$
 $\frac{0}{60}$
 $\frac{56}{40}$
 $\frac{35}{50}$
 $\frac{41}{1}$

Ans: (b) 0.86

9. Ismail had 14 kg of flour. He packed all the flour equally into 8 packets. How much flour was there in each packet? Express your answer as a mixed number in its simplest form.

$$\begin{aligned} 1 \text{ packet} &\rightarrow 14 \div 8 = \frac{14}{8} \\ &= 1\frac{6}{8} \\ &= 1\frac{3}{4} \end{aligned}$$

Ans: $1\frac{3}{4}$ kg

10. A box of cookies at Lee Bakery costs \$25. Company A bought 200 such boxes for an event and Company B bought 80 boxes to donate to charity. Find the total amount of money collected by Lee Bakery from the sale of the boxes of cookies to Company A and Company B.

$$\begin{aligned} A &\rightarrow 25 \times 200 = 25 \times 2 \times 100 \\ &= 50 \times 100 \\ &= 5000 \\ B &\rightarrow 25 \times 80 = 25 \times 8 \times 10 \\ &= 200 \times 10 \\ &= 2000 \end{aligned}$$

$$5000 + 2000 = 7000$$

Ans: \$ 7000

11. Mr Tan sold three types of tickets for a concert. The table below shows the price of each type of ticket and the number of ticket A and ticket B sold.

Type of ticket	Price per ticket	Number of tickets sold
Ticket A	\$12	40
Ticket B	\$7	36
Ticket C	\$3	?

The total amount of money collected from the sale of ticket A and ticket B was four times the amount of money collected from the sale of ticket C. How many ticket C were sold by Mr Tan?

$$\begin{aligned} \text{Money from ticket A} &\rightarrow 12 \times 40 \\ &= 12 \times 4 \times 10 \\ &= 48 \times 10 \\ &= 480 \end{aligned}$$

$$\begin{aligned} \text{Money from ticket B} &\rightarrow 7 \times 36 \\ &= 252 \end{aligned}$$

$$480 + 252 = 732$$

$$\begin{aligned} \text{Money from ticket C} &\rightarrow 732 \div 4 \\ &= 183 \end{aligned}$$

$$183 \div 3 = 61$$

Ans: 61

12. Every day, Jing Han placed either a \$2-note or a \$5-note into her piggy bank which was empty at first. Every 20 days, her father also placed a \$10-note into her piggy bank. At the end of 50 days, she had \$222 in her piggy bank. How many of the notes in her piggy bank at the end of 50 days were \$2-notes?

$$50 \div 20 = 2\text{R}10$$

$$\begin{aligned} \text{Money in piggy bank} &\rightarrow 2 \times 10 \\ \text{from father} &= 20 \end{aligned}$$

$$\begin{aligned} \text{Money from Jing Han} &\rightarrow 222 - 20 \\ &= 202 \end{aligned}$$

For every \$2-note replaced with a \$5-note, the total increases by \$3.
 $202 - 178 = 24$
 $24 \div 3 = 8$
 Number of replacements

Number of \$2-notes	Money from \$2-notes	Number of \$5-notes	Money from \$5-notes	Total money	Out
25	$25 \times 2 = 50$	25	$25 \times 5 = 125$	$125 + 50 = 175$	X
24	$24 \times 2 = 48$	26	$26 \times 5 = 130$	$130 + 48 = 178$	X
(16)	$16 \times 2 = 32$	34	$34 \times 5 = 170$	$170 + 32 = 202$	✓

Alternative method

Suppose all notes are \$5-notes.

$$50 \times 5 = 250$$

$$250 - 202 = 48 \rightarrow \text{By difference}$$

$$5 - 2 = 3 \rightarrow \text{small difference}$$

$$48 \div 3 = 16$$

Ans: 16