

Nanyang Primary School
 Primary 5
 Mathematics
 Term 1 Weighted Assessment



Name: _____

Class: _____

Class: _____

Marks:

/20

Parent's Signature: _____

Date: _____

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 3 carry 1 mark 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 $906\ 000 \div 6000$

- (1) 16
- (2) 151
- (3) 160
- (4) 1510

()

2 Find the value of $4 \times 12 - (9 - 6 \div 3) \times 2$

(1) 46

(2) 43

(3) 34

(4) 22

()

3 Find the value of $\frac{2}{7} \times \frac{5}{4}$.

(1) $\frac{5}{14}$

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

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

(4) $\frac{8}{35}$

()

- 4 Sally wanted to buy a computer but the amount of money she had was only $\frac{6}{9}$ of the cost of the computer. After her parents gave her \$350, the amount of money she then had was $\frac{2}{3}$ of the cost of the computer. How much did the computer cost?

- (1) \$830
 (2) \$1050
 (3) \$1575
 (4) \$3150

()

- 5 The first 17 numbers of a number pattern are given below.

1, 3, 6, 4, 2, 4, 8, 6, 3, 5, 10, 8, 4, 6, 12, 10, 5, ...
_{1st} 17th

Find the sum of the first 25 numbers.

- (1) 121
 (2) 145
 (3) 175
 (4) 181

()

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 seven million, seven hundred and two thousand, two hundred and two in numerals.

Ans: _____

- 7 Find the value of $35 \div 9$. Express your answer as a mixed number in the simplest form.

Ans: _____

- 8 Express $5 \frac{4}{125}$ 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 Parker swam 50 minutes each day from Monday to Friday. He swam 30 minutes each day on Saturday and Sunday. How many minutes did he swim in 40 weeks?

Ans: _____ min

- 10 Timothy sold 8000 plates of chicken rice and 1500 bowls of prawn noodles in January. He collected \$45,000 from the sales in January. The amount of money he collected from a bowl of prawn noodles is twice the amount of money he collected from a plate of chicken rice. What was the amount of money he collected from a plate of chicken rice?

Ans: \$ _____

- 11 A room has a breadth of $\frac{13}{3}$ m and a length of 36m. find the area of the room.

Ans: _____ m²

- 12 Mindy baked a total of 113 cookies and brownies. After giving away $\frac{3}{5}$ of the cookies and 38 brownies, she had an equal number of cookies and brownies left. How many cookies did she bake at first?

Ans: _____

- 13 Taylor saved 2 notes in her piggy bank each day for 10 days. Each note was either a \$2 note or a \$5 note. The total amount of money in the piggy bank was \$61. How many of the notes were \$2 notes?

Ans: _____

End of Paper

29 FEB 2024



Name: Students' Answer Key ()
 Class: Primary 5 ()
 Date: 27 Feb 2024 Parent's Signature: _____
 Duration: 40 minutes

Marks: 120

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 3 carry 1 mark each. Questions 4 to 8 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 $906\ 000 \div 6000$

- (1) 16
- (2) 151
- (3) 100
- (4) 1510

$906\ 000 \div 6000 = 151$

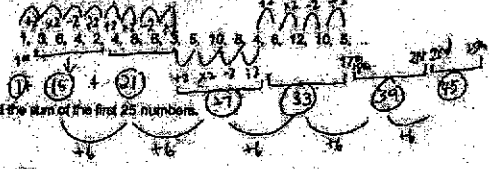
(2)

4 Sally wanted to buy a computer but the amount of money she had was only $\frac{5}{9}$ of the cost of the computer. After her parents gave her \$350, the amount of money she then had was $\frac{3}{4}$ of the cost of the computer. How much did the computer cost?

(1) \$630
 (2) \$1050
 (3) \$1675
 (4) \$3150

$\frac{5}{9} \times \frac{3}{3} = \frac{5}{9}$
 $\frac{6}{9} - \frac{5}{9} = \frac{1}{9}$
 $\frac{1}{9}$ of cost = \$350
 $\frac{6}{9}$ of cost = $350 \times 6 = 2100$
 $2100 - 350 = 1750$

5 The first 17 numbers of a number pattern are given below.



Find the sum of the first 25 numbers.

- (1) 125
- (2) 145
- (3) 175
- (4) 181

$(1+15) + (2+14) + (3+13) + (4+12) + (5+11) + (6+10) + (7+9) + (8+8) + (9+7) + (10+6) + (11+5) + (12+4) + (13+3) + (14+2) + (15+1)$

$= 60 \times 3 + 1$
 $= 181$

6 Find the value of $4 \times 12 - (9 - 6 \div 3) \times 2$

(1) 48
 (2) 43
 (3) 34
 (4) 22

$4 \times 12 - (9 - 6 \div 3) \times 2$
 $= 4 \times 12 - (9 - 2) \times 2$
 $= 4 \times 12 - 7 \times 2$
 $= 48 - 14$
 $= 34$

(3)

7 Find the value of $\frac{2}{7} \times \frac{5}{4}$

(1) $\frac{5}{14}$
 (2) $\frac{6}{9}$
 (3) $\frac{7}{11}$
 (4) $\frac{8}{35}$

$\frac{2}{7} \times \frac{5}{4} = \frac{1 \times 5}{7 \times 2} = \frac{5}{14}$

(1)

Questions 8 to 9 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)

8 Write seven million, seven hundred and two thousand, two hundred and two in numerals.

Ans: 7 702 202

9 Find the value of $35 \div \frac{3}{4}$. Express your answer as a mixed number in the simplest form.

$\frac{35}{1} \div \frac{3}{4} = 35 \frac{3}{4}$

Ans: $35 \frac{3}{4}$

10 Express $5 \frac{4}{125}$ as a decimal.

$5 \frac{4 \times 8}{125 \times 8} = 5 \frac{32}{1000}$
 $= 5.032$

Ans: 5.032

Question 1 is to be done in 15 minutes. Show your working clearly and write your answers in the space provided. For questions which require units, give your answers in the units stated. (10 marks)

1. Parcel leaves the warehouse each day from Monday to Friday. It takes 20 minutes to fly to Saturday and Sunday. How many parcels did the warehouse send in the last week?

Mon to Fri → 5 days
Sat to Sun → 2 days

$$50 \times 5 = 250$$

$$30 \times 2 = 60$$

$$250 + 60 = 310$$

$$310 \times 40 = 12400$$

Ans: 12400 parcels

16. Timothy sold 5000 plates of chicken rice and 1500 bowls of prawn noodles in January. He collected \$45 000 from the sales in January. The amount of money he collected from a bowl of prawn noodles is twice the amount of money he collected from a plate of chicken rice. What was the amount of money he collected from a plate of chicken rice?

1 bowl of prawn noodles = 2 bowls of chicken rice

$$1500 \times 2 = 3000$$

$$3000 + 5000 = 8000$$

$$\$45000 \div 8000 = \$5.625$$

Ans: 5.625

18. Taylor spent 2 weeks in the playground each day for 12 days. Each week was either a 22 day or a 25 day week. The total amount of money in the playground was \$61. How many of the days were 22 days?

Assume all were 22 day, \$5 a day,

$$2 \times 12 = 24$$

$$24 \times \$5 = \$120$$

$$\$5 - \$2 = \$3$$

$$\$120 - \$61 = \$59$$

$$\$59 \div \$3 = 19.67$$

$$19 \times 3 = 57$$

$$24 - 19 = 5$$

$$5 \times \$5 = \$25$$

$$\$25 + \$36 = \$61$$

Guess and Check

No. of 22	No. of 25	Working
19	5	19 × 22 = \$418
		5 × 25 = \$125
		\$418 + \$125 = \$543

Ans: 19

14. A box contains 3600 of $\frac{2}{3}$ size and 1800 of $\frac{1}{3}$ size. How many of the boxes...

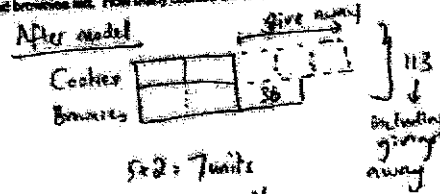
$$36 \times \frac{13}{3} = \frac{36}{1} \times \frac{13}{3}$$

$$= 156$$

$$\begin{array}{r} 13 \\ \times 12 \\ \hline 26 \\ 130 \\ \hline 156 \end{array}$$

Ans: 156

15. Emily baked a total of 113 cookies and biscuits. After giving away 36 of the cookies and 36 biscuits, she had an equal number of cookies and biscuits left. How many cookies did she bake at first?



$$36 \times 2 = 72$$

$$72 = 113 - 36$$

$$= 77$$

$$77 \div 2 = 38.5$$

$$= 38$$

$$38 \times 2 = 76$$

Ans: 76