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Nan Hua Primary School
Primary 5 Mathematics
Term 1 Weighted Assessment 2021

Marks	
Section A:	/10
Section B:	/15
Total:	**/25**

Name: _____ ( )

Class: Primary 5/_____

Date: _____

Duration: 40 minutes

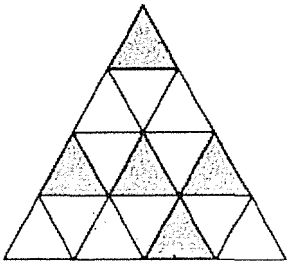
_____
Parent's Signature

Answer all questions.

Section A (10 marks)

Questions **1** to **5** carry 2 mark each.
Write your answers in the space provided.
For questions which require units, give your answers in the units stated.

1. The figure below is made up of triangles of the same size. How many **more** triangles should be shaded so that $\frac{5}{8}$ of the figure is shaded?



Ans: _____

2. Find the sum of 1, 2, 3, 4……198, 199 to 200.

Ans: _____

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3. Jane had $\frac{4}{5}$ kg of flour. She gave away $\frac{1}{4}$ kg of flour to her neighbour and $\frac{1}{5}$ kg of flour to her sister. How much flour had she left?

Ans: _____kg

4. Mary bought some stickers and she kept 5 for herself. She gave the rest equally to her 7 friends. The number of stickers she bought was between 50 and 60.
How many stickers did Mary buy?

Ans: _____

5. John donated $2\frac{1}{4}$ kg of old clothing for a recycling campaign. The mass of clothing Danny donated was 5 times as much as John.
How much old clothing did Danny donate?

Ans: _____kg

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Section B (15 marks)

Questions **6** to **9** carry 2 marks each. For questions **10** and **11**, the number of marks available is shown in brackets [ ] at the end of each question. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

6. A number was first multiplied by 100 and then divided by 20. The result is 4230. What is the number?

Ans: _____

7. Lucas bought a laptop. He paid $108 each month for 12 months. How much did Lucas pay for the laptop?

Ans: $_____

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8. Ray jogged $4\frac{1}{2}$ km on Monday. He jogged $\frac{3}{4}$ km more on Monday than Tuesday.
How far did Ray jog on Tuesday?
Give your answer in decimal.

Ans: _____ km

9. Tim had some paint in the container. After Tim used $\frac{5}{8}$ litres of the paint and bought another $1\frac{1}{5}$ litres of paint, there were 4 litres of paint left. How many litres of paint were there in the container at first?
Express your answer as a mixed number in its simplest form.

Ans: _____ litres

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10. 14 adults and 6 children visited S.E.A. Aquarium. They paid a total of $952 for the tickets. Each adult ticket cost twice as much as a child ticket. How much was a ticket for each adult?

Ans: _____[3]

11. Joe had some money. He spent $\frac{3}{7}$ of his money on a pair of shoes and $\frac{1}{4}$ of the remainder on a shirt. He spent $36 more on the shoes than the shirt.

(a) How much was the pair of shoes?

(b) How much did Joe have at first?

Ans: (a)_____[3]

(b)_____[1]

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Nan Hua Primary School
Primary 5 Mathematics
Term 2 Weighted Assessment 2021

Marks	
Section A:	/10
Section B:	/15
Total:	**/25**

Name: _____

Class: Primary 5M/_____

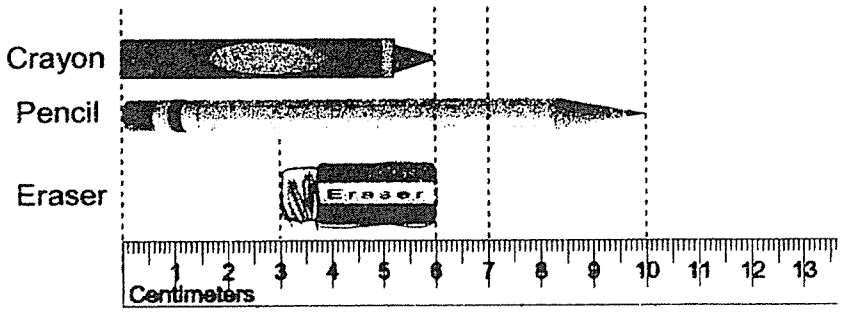
Date: _____

Duration: 40 minutes

Answer all questions.

Section A (10 marks)
Questions **1** to **5** carry 2 marks each. Write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.

The diagram below is not drawn to scale.
Use the diagram below to solve **question 1 and 2**.



1. Find the ratio of the length of pencil to the length of eraser.

Ans: _____

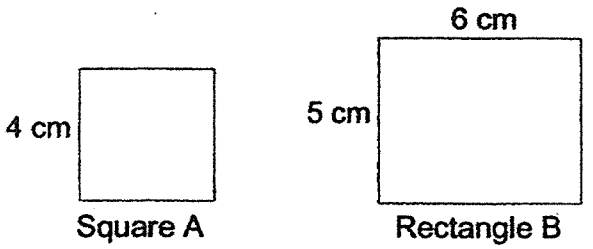
2. Find the ratio of the length of crayon to the length of pencil. Give your answer in its simplest form.

Ans: _____

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3. Find the ratio of the perimeter of Square A to the perimeter of Rectangle B. Give your answer in its simplest form.



Square A Rectangle B

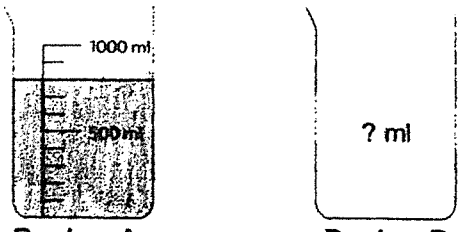
Ans: _____

4. Find the missing number in the pair of ratios below.

$$6 : 8 = 27 : \boxed{?}$$

Ans: _____

5. The ratio of the amount of water in Beaker A to the amount of water in Beaker B is 16 : 9. What is the amount of water in Beaker B?



Beaker A Beaker B

Ans: _____ ml

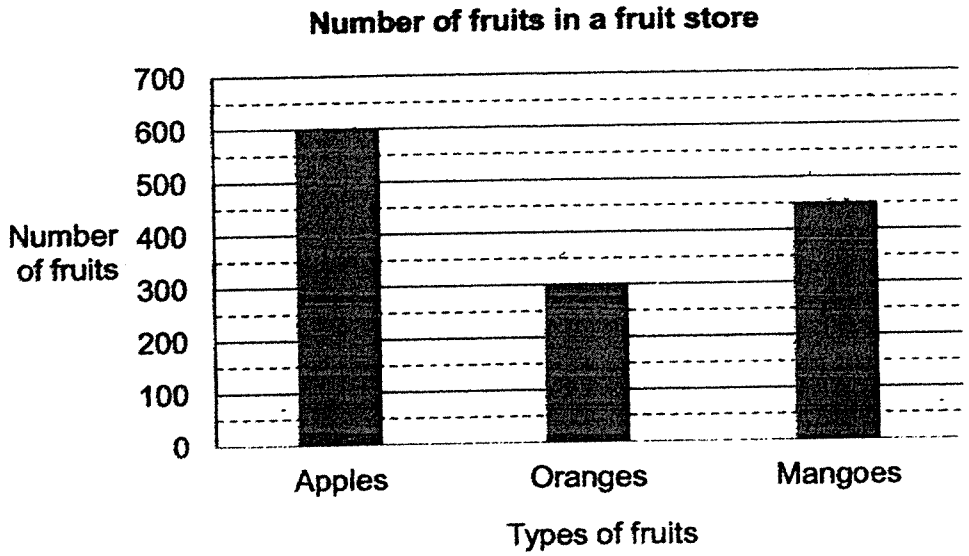
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Section B (15 marks)

Questions **6** to **9** carry 2 marks each. For questions **10** to **11**, the number of marks available is shown in brackets [ ] at the end of each question. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

---

6. The bar graph below shows the number of fruits in a fruit store.



Find the ratio of the number of oranges to the number of apples to the number of mangoes. Give your answer in its simplest form.

Ans: _____

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7. The table below shows the number of girls and boys who wear and do not wear spectacles in Class 5A.

	Number of girls	Number of boys
Wear spectacles	8	?
Do not wear spectacles	7	11

The ratio of the number of girls to the number of boys in 5A is 3 : 5. Find the number of boys who wear spectacles in 5A.

Ans: _____

8. Percy is 11 years old. Bala is 15 years old. Find the ratio of Percy's age to Bala's age in 5 years time. Give your answer in its simplest form.

Ans: _____

9. The total number of pens that Alice, Peter and John have is between 45 and 50. The ratio of the number of Alice's pens to the number of Peter's pens to the number of John's pens is 1 : 2 : 5.

Each statement below is either true or false. For each statement, put a tick (✓) in the correct column.

Statement	True	False
The total number of pens that Alice and Peter have is less than the number of pens that John has.		
Alice has 6 pens.		

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10. The ratio of the number of boys to the number of girls to the number of teachers in a school is 8 : 9 : 2. There are 588 more girls than teachers.

a) How many girls are there in the school?
b) How many more students than teachers are there in the school?

Ans: a) _____ [2]

b) _____ [2]

11. Jie Min and her brother had some marbles. The ratio of the number that Jie Min had to the number of marbles that her brother had was 1 : 4 at first. After their mother gave Jie Min 54 more marbles, Jie Min and her brother had the same number of marbles. How many marbles did Jie Min's brother have at first?

Ans: _____ [3]

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Nan Hua Primary School
Primary 5 Mathematics
Term 3 Weighted Assessment 2021

Marks	
Section A:	/10
Section B:	/15
Total:	**/25**

Name: _____ ( )

Class: Primary 5M_____

Date: _____

Duration: 50 minutes

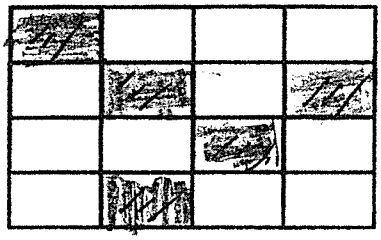
Answer all questions.

Section A (10 marks)

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

---

1. The figure below is made up of 16 identical rectangles.
   What percentage of the figure is shaded?



Ans: _____%

2. Alice had $220. She spent 35% of her money on a pair of shoes. How much money did she have left?

Ans: $_____

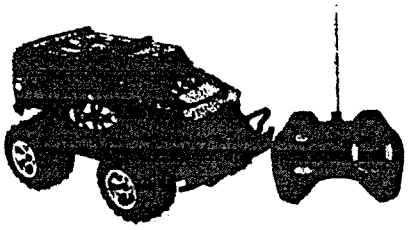
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Calculator allowed

3. There are 1280 students in a school. 60% of the students are boys. How many girls are there?

Ans: _____

4. The usual price of a remote toy car before GST is $140. GST is 7%. How much is the GST?



Ans: $_____ .

5. Celine has $800 in her savings account. She earns 2.5% interest each year. Find the amount of interest Celine gets after one year.

Ans: $_____

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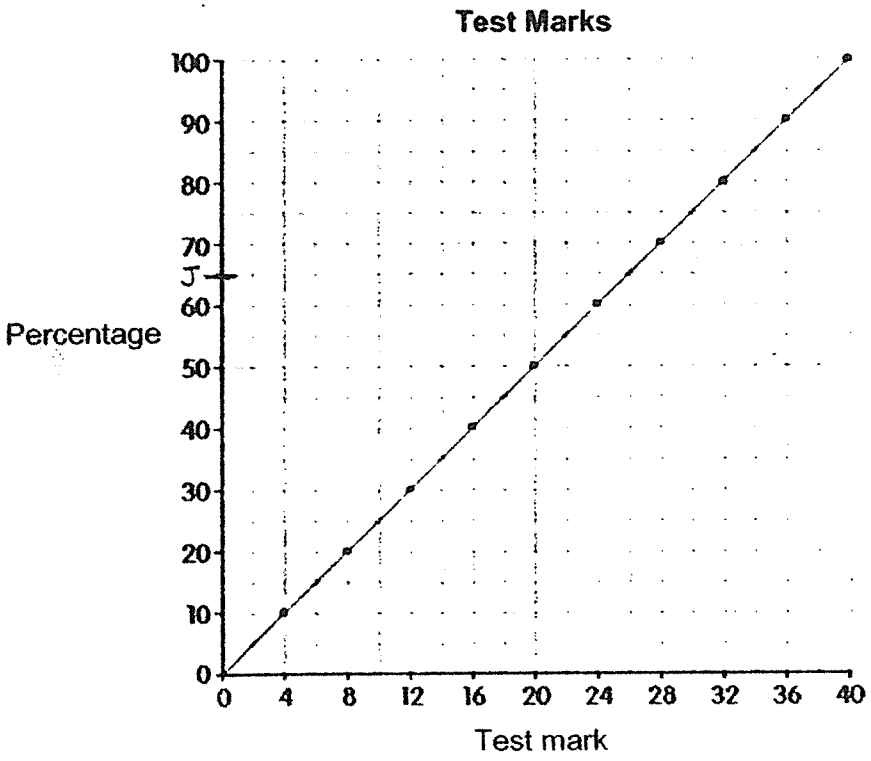
Calculator allowed

Section B (15 marks)

Questions **6** to **8** carry 2 marks each. Questions **9** to **11** 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.

---

6. The graph below can be used to convert test marks into percentages.
   All marks are in whole numbers.



(a) Joelle scored 65%. How many marks did she get?

(b) Grade A is given to students who scored 90% or more.

Grade B is given to students who scored 75% or more, but less than 90%.

Kate scored B for the test. What is one possible mark that Kate had scored?

Ans: (a) _____

(b) _____

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7. Mrs Rajoo bought 5 m of ribbon. She used 35% of the ribbon to tie 5 boxes. The length of ribbon used to tie each box was the same. What was the length of the ribbon used to tie each box?

Ans: _____ _____ m

8. Store A and Store B are participating in Great Singapore Sale. The same dress is on sale in both Store A and B. The usual price of the dress in both store is $80.

Store A	Store B
	

Only one statement below is correct. Put a tick (√) in the box beside the correct statement.

Statement	Tick (√)
(i) The discounted price for the dress in Store A is higher than the discounted price for the dress in Store B.	
(ii) The discounted price for the dress in Store B is higher than the discounted price for the dress in Store A.	
(ii) The discount for the dress in both Store A and Store B is the same.	

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Calculator allowed

9. 95 girls and 65 boys participated in an International Art competition. 40% of the participants are Singaporeans. How many Singaporeans participated in the competition?

Ans: _____ [3]

10. John went to a toy store to buy 1 toy gun and 1 toy car. The store was having a 35% discount for all toys. The receipt below reflects the usual price of the toys.

ABC Store Receipt	
Item:	
1 Toy Gun	$45
1 Toy Car	$20
Total:	
35% Discount:	(a)
Amount due:	(b)

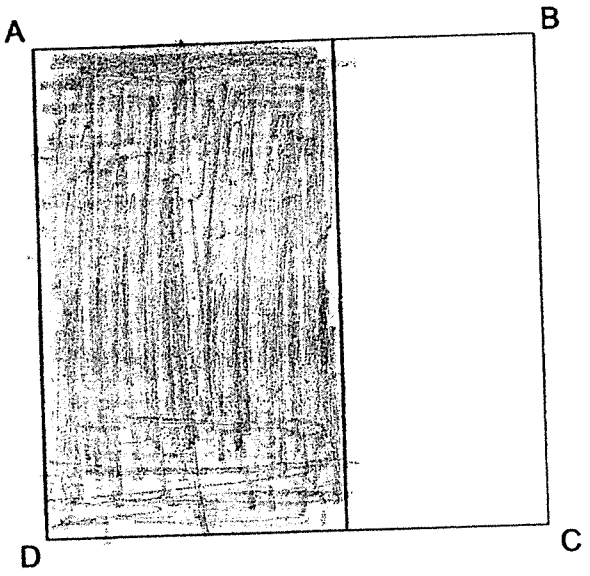
(a) How much was the discount for the 2 toys?
(b) How much did John pay for the 2 toys after 35% discount?

Ans: (a) _____ [2]

(b) _____ [1]

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11. In the figure below not drawn to scale, ABCD is a square and its area is 100 cm^2.
The shaded area is a rectangle.
The area of the shaded rectangle is 60% of the area of ABCD.
Find the perimeter of the shaded rectangle.



Ans: _____[3]

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Answer Key- NHPS P5 Term 1 WA 2021

1.	$\frac{5}{8} \times 16 = 10$ 10−5=5 (M1A1)	2.	200÷2=100 (1+200)×10=20100 (M1A1)	
3.	$\frac{4}{5} - \frac{1}{5} - \frac{1}{4} = \frac{7}{20}$ (M1,A1)	4.	Multiples of 7: 49, 56 (Multiples of 7)+5: 54, 61 (M1) Ans: 54 (A1)	
5.	$2\frac{1}{4} \times 5 = 11\frac{1}{4}$ (M1A1)	6.	4230×20÷100=846 (M1,A1) Or 4230×20= 84600 84600÷100=846 (M1,A1)	
7.	$108× 12= $1296 (M1A1)			
8.	$4\frac{1}{2} - \frac{3}{4} = 3\frac{3}{4}$ (M1) = 3.75 (A1)	9.	$4 - 1\frac{1}{5} = 2\frac{4}{5}$ $\frac{5}{8} + 2\frac{4}{5} = 3\frac{17}{40}$ (M1,A1)	$4 + \frac{5}{8} - 1\frac{1}{5} = 3\frac{17}{40}$ (M1,A1)
10.	14×2+6=34 952÷34=28 (M1) 28×2=56 (M1A1)			
11.	$1 - \frac{3}{7} = \frac{4}{7}$ $\frac{1}{4} \times \frac{4}{7} = \frac{1}{7}$ $\frac{2}{7}$ of the money = $36 $\frac{1}{7}$ of the money = $36÷2 =$18(M1) (a)$18 × 3 = $54(M1,A1) (b)$18× 7 = $126(A1)			

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ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : TERM 2 WEIGHTED ASSESSMENT

SECTION A

<table>
<tr><td>Q1</td><td>10:3</td></tr>
<tr><td>Q2</td><td>3:5</td></tr>
<tr><td>Q3</td><td>8:11</td></tr>
<tr><td>Q4</td><td>3:4=27:36</td></tr>
<tr><td>Q5</td><td>16units=800ml
1unit=800ml÷16=50ml
9 units= 50ml×9=450ml</td></tr>
<tr><td>Q6</td><td>300:600:450
30:60:45
2:4:3</td></tr>
<tr><td>Q7</td><td>3 units=8+7=15
1 unit=15÷3=5
5 units=15÷3=5
5 units=5×5=25
25+1=14 boys</td></tr>
<tr><td>Q8</td><td>11+5=16
15+5=20
16:20=4:5</td></tr>
<tr><td>Q9</td><td><table><tr><th>True</th><th>False</th></tr><tr><td>✓</td><td></td></tr><tr><td>✓</td><td></td></tr></table></td></tr>
<tr><td>Q10</td><td><table><tr><td>a)</td><td>7u=588
u=588÷7=84
9u=84××9=756</td></tr><tr><td>b)</td><td>8u+9u=17u
17u−2u=15u
15u=84×15=1260</td></tr></table></td></tr>
<tr><td>Q11</td><td>3u=54
u=54÷3=18
4u=18×4=72</td></tr>
</table>

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ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : NAN HUA PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : TERM 3 WEIGHTED ASSESSMENT

SECTION A

Q1	5÷16=100%=31.25%
Q2	100%−35%=65% 65%×$220=$143
Q3	100%−60%=40% 40%×1280=512 girls
Q4	100%➔$140 7%➔7%×$140 =$9.80
Q5	2.5%×$800=~~%20~~ $20

SECTION B

Q6	a)	Joelle get 26 marks
	b)	Kate could have scored 34 marks
Q7	35%×5m=1.75m 1.75m÷5=0.35 The length of the ribbon used to each box is 0.35m	
Q8	(i)	✔ 100% - 20% = 80% 80% x$80 = $64 $80 - $20 = $60 (True)
	(ii)	(False)
	(iii)	(False)
Q9	95+65=160 160×40%=64	
Q10	a)	$45+$20=$65 35%×$65=$22.75 The discount for the 2 toys is $22.75
	b)	$65−$22.75=$42.25 John paid $42.25 for the 2 toys after 35% discount.
Q11	60%×100cm^2=60cm^2 600cm^2÷10cm=6cm 6+6+10+10=32cm The perimeter of the shaded rectangle is 32cm	

4
END

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