Pei Hwa Presbyterian Primary School
Mathematics
Primary 3
Weighted Assessment 2

40

**Name:** _____ (  )

**Class:** 3R(  )

**Date:** _____ **Parent's Signature:** _____

**Section A: Multiple Choice Questions (15 marks)**

Questions **1** to **5** carry 1 mark each. Questions **6** to **10** carry 2 marks each. For each question, four options are given. One of them is the correct answer. Write your answers in the brackets provided.

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1. Which of the following is the same as 12 m 7 cm?

   (1) 127 cm
   (2) 1207 cm
   (3) 1270 cm
   (4) 12 007 cm (  )

2. Which of the following is $\frac{1}{2}$ in its simplest form?

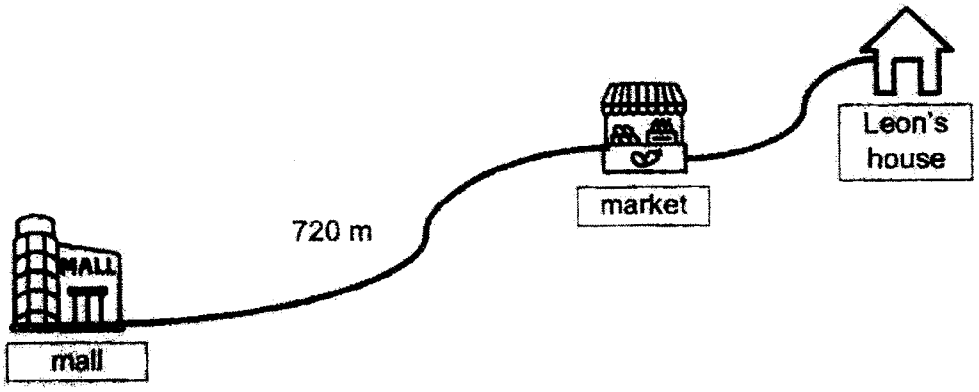
   (1) $\frac{3}{6}$
   (2) $\frac{6}{9}$
   (3) $\frac{4}{12}$
   (4) $\frac{6}{10}$ (  )

2



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3. The distance from the mall to the market is 3 times the distance from the market to Leon's house. What is the distance between the market and Leon's house?



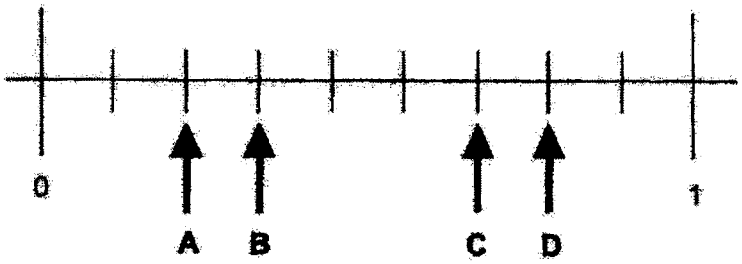

(1) 180 m

(2) 240 m

(3) 900 m

(4) 960 m ( )

4. Which of the following letters represent $\frac{3}{9}$?




(1) A

(2) B

(3) C

(4) D ( )

2



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5. Arrange the following fractions from the smallest to the greatest.

$\frac{3}{10}$ , $\frac{1}{2}$ , $\frac{3}{5}$

| | Smallest | | | Greatest |
|---|---|---|---|---|
| (1) | $\frac{1}{2}$ | , $\frac{3}{5}$ | , | $\frac{3}{10}$ |
| (2) | $\frac{1}{2}$ | , $\frac{3}{10}$ | , | $\frac{3}{5}$ |
| (3) | $\frac{3}{10}$ | , $\frac{3}{5}$ | , | $\frac{1}{2}$ |
| (4) | $\frac{3}{10}$ | , $\frac{1}{2}$ | , | $\frac{3}{5}$ |

( )

6. Find the value of A and B in the boxes.

$$\frac{3}{7} = \frac{\boxed{A}}{21} = \frac{18}{\boxed{B}}$$

| | A | B |
|---|---|---|
| (1) | 6 | 13 |
| (2) | 6 | 42 |
| (3) | 9 | 14 |
| (4) | 9 | 42 |

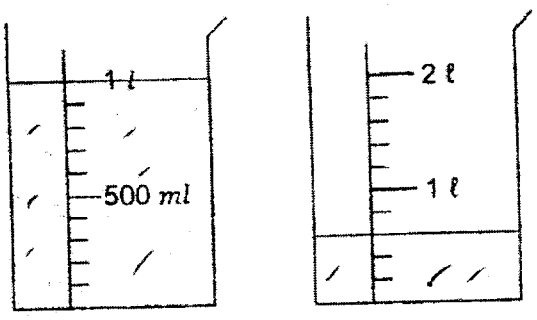
( )

3



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7. How much water is there in the two containers altogether?




(1) 2600 ml
(2) 2300 ml
(3) 1600 ml
(4) 1300 ml ( )

8. The capacity of a pail was 450 ml.
The capacity of the pail was three times as much as a container.
The capacity of the container was twice as much as a cup.
Find the capacity of the cup.

(1) 75 ml
(2) 90 ml
(3) 150 ml
(4) 300 ml ( )

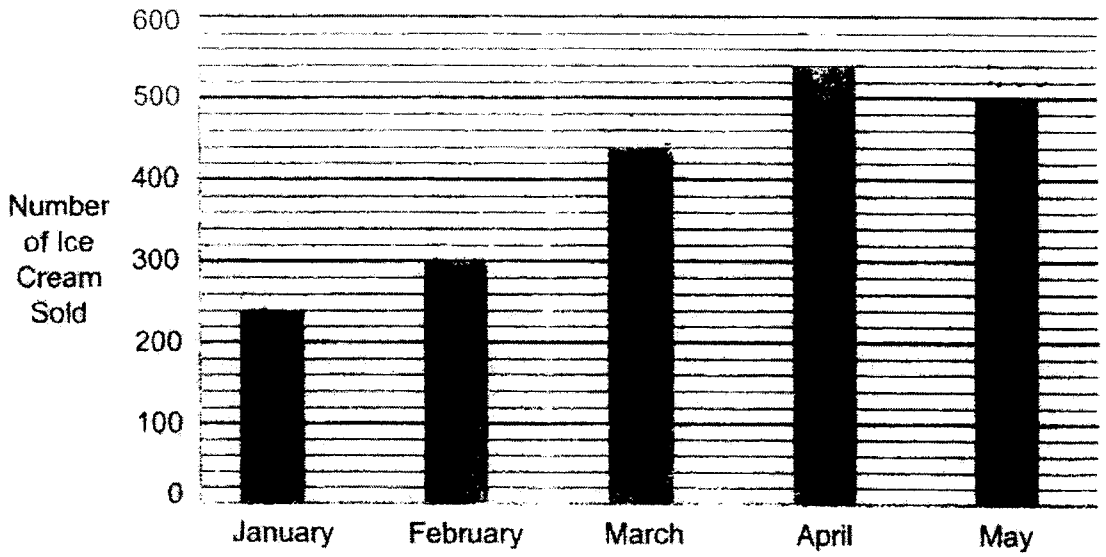
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*Study the graph and answer Questions 9 and 10.*

The bar graph below shows the number of ice cream sold in a shop from January to May.




9. When was the increase in the shop's sale of ice cream the greatest?

(1) January to February
(2) February to March
(3) March to April
(4) April to May ( )

10. Find the total number of ice cream sold in February and April.

(1) 1280
(2) 980
(3) 840
(4) 800 ( )

4



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**Section B (15 marks)**

**Questions 11 to 15 carry 1 mark each. Questions 16 to 20 carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answer in the units stated.**

11. Express $\frac{6}{10}$ in its simplest form.

Ans: _____

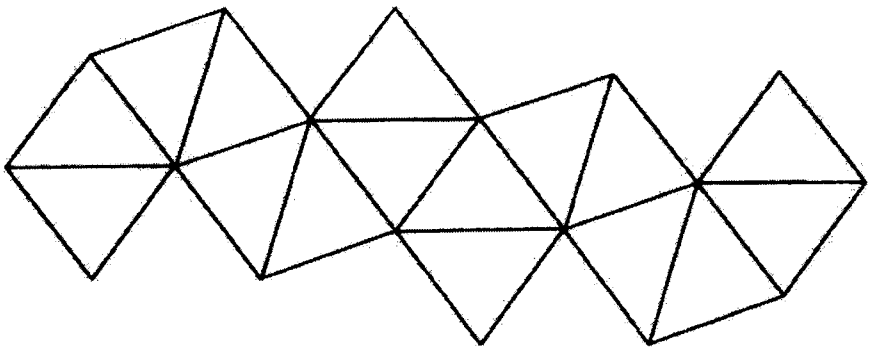
12. Find the missing number in the box.

$$\frac{1}{3} = \frac{4}{\square}$$

Ans: _____

13. The figure below is divided into equal parts.

Shade $\frac{3}{8}$ of the figure.



3

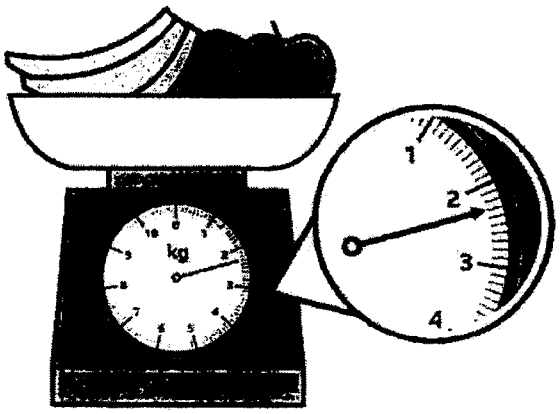


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14. Give a possible fraction that is smaller than $\frac{1}{5}$.

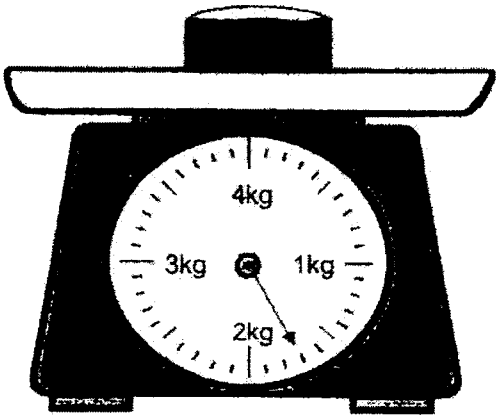
Ans: _____

15. Find the mass of the fruits in kilograms and grams.




Ans: ____kg _____ g

16. The mass of a container, half-filled with sand is shown on the weighing scale. The mass of the container is 50 g. Find the mass of the sand in the container.




Ans: ____kg _____ g

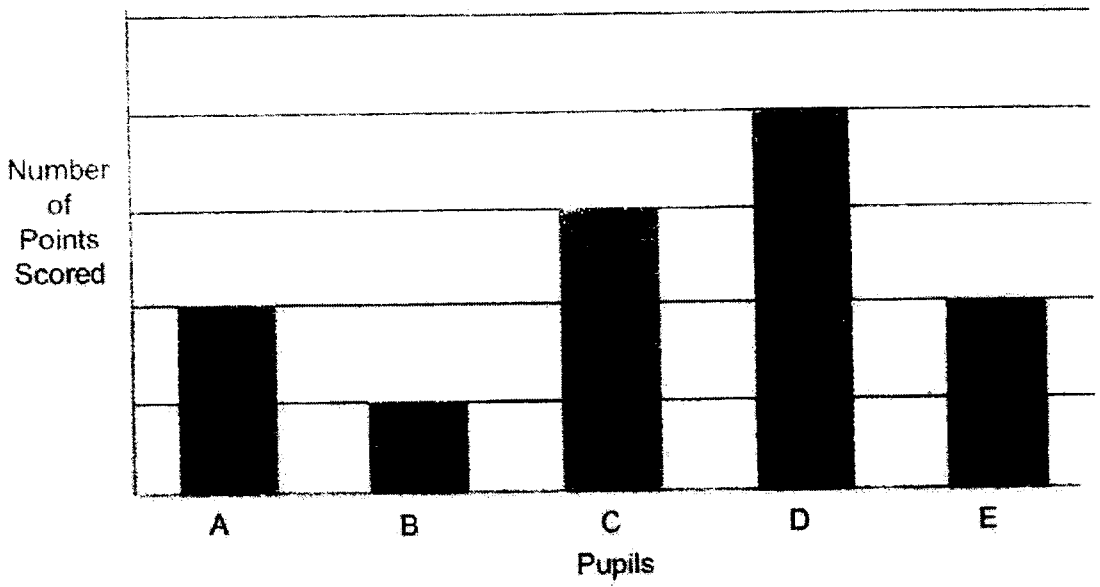
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*Study the graph and answer Questions 17 and 18.*

The bar graph below shows the number of points scored by 5 pupils in a game.




17. Pupil _____ scored the most number of points.

Ans: _____

18. Name the pupils who scored twice as many points as pupil B.

Ans: _____

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19. The mass of three students, Adele, Belle and Cali was 129 kg.

Adele left and the mass of Belle and Cali became 87 kg.

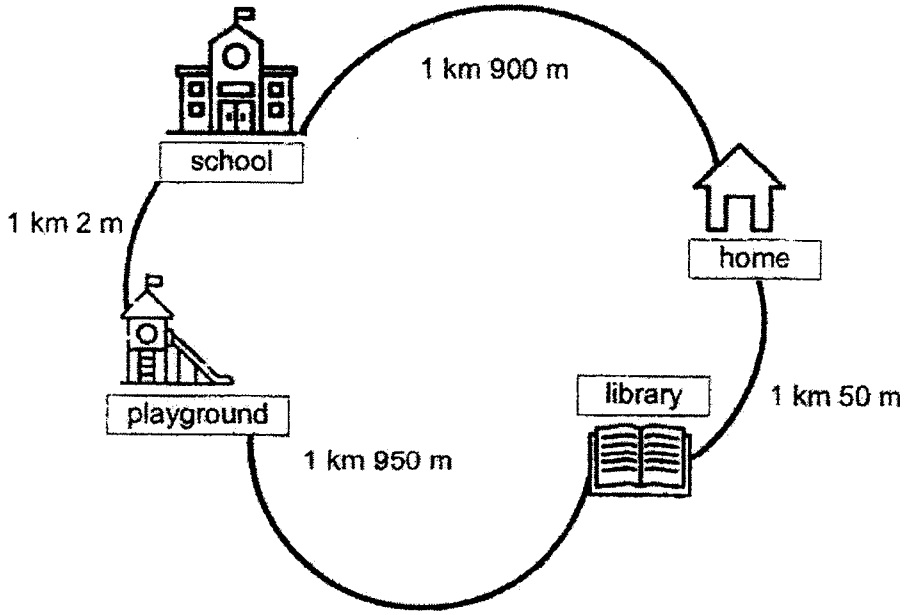
Cali's mass was 41 kg.

Who was the lightest and what was her mass?

Ans: Girl; _____

_____ kg

20. Find the total shortest possible distance between the school and the library in metres.




Ans: _____ m

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**Section C (10 marks)**

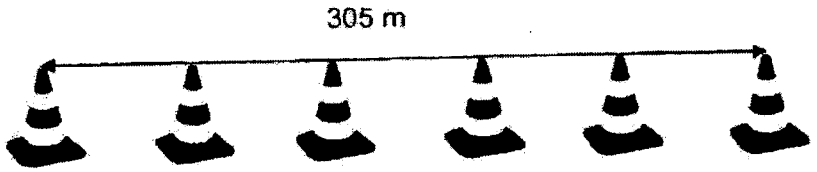
**For questions 21 to 23, show your working and number statements clearly. Write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part question.**

21. Michael places 6 cones at an equal distance apart.

The distance between the 1st and last cone is 305 m.

(a) What is the distance between 2 cones?

(b) What is the distance between the 1st and 10th cone in metres?




**Working**

Ans: (a)_____ [1]

(b)_____ [2]

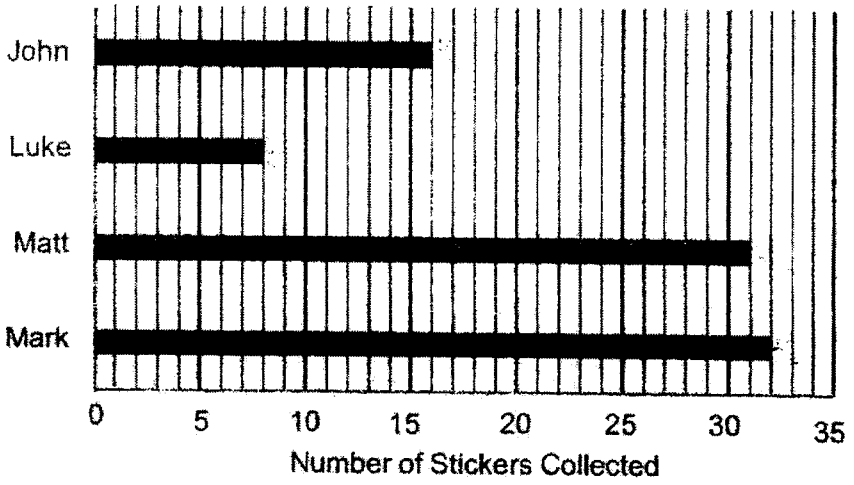
3



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22. The bar graph shows the number of stickers 4 boys collected.

**Working**




(a) Who collected twice as many stickers as John?

(b) How many stickers should Mark give to Luke so that both boys will have an equal number of stickers?

Ans: (a)_____ [1]

(b)_____ [2]

3



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23. The mass of a box containing an iron ball is 326 g.
When Alice puts in 4 more such iron balls into the box, the mass of the box and the iron balls becomes 786 g.

(a) What is the mass of an iron ball?

(b) What is the mass of the box?

**Working**

Ans: (a) _____ [3]

(b) _____ [1]

4

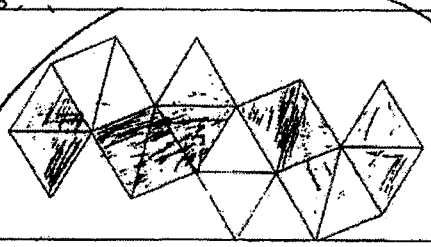
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YEAR : 2022
LEVEL : PRIMARY 3
SCHOOL : PEI HWA PREBYTERIAN PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : WEIGHTED ASSESSMENT 2

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Q1 | 2 | Q2 | 1 | Q3 | 2 | Q4 | 2 | Q5 | 4 |
| Q6 | 4 | Q7 | 3 | Q8 | 1 | Q9 | 2 | Q10 | 3 |

| | | | |
|---|---|---|---|
| Q11 | $\frac{3}{5}$ | Q12 | 12 |
| Q13 |  | Q14 | $\frac{1}{6}$ |
| Q15 | 2kg 300g | Q16 | 1kg 850g |
| Q17 | D | Q18 | A, B |
| Q19 | Girl : Cali<br>41 kg | Q20 | 2952m |
| Q21 | a) 305 ÷ 5 = 61<br>b) 61 x 9 = 549<br>The distance between the 1st and 10th cone is 549m | Q22 | a) Mark collected twice as many stickers as John<br>b) 32 – 8 = 24<br>24 ÷ 2 = 12<br>Mary should give 12 stickers to John. |
| Q23 | a) 786 – 326 = 460<br>460 ÷ 4 = 115g<br>b) 325 – 115g = 211g | | |

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