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Nan Hua Primary School
Primary 5 Mathematics
Term 3 Weighted Assessment 2020

Marks	
Section A:	/10
Section B:	/20
Total:	**/30**

Name: _____ ( )

Class: Primary 5/_____

Date: _____

Duration: 50 minutes

_____
Parent's Signature

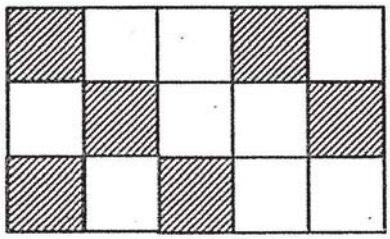
Answer all questions.

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.

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1. The diagram below is made up of identical squares.
   What percentage of the squares are shaded?



Ans: _____

2. (a) What is 12% of 360 kg?
   (b) Express $\frac{17}{40}$ as a percentage.

Ans: (a) _____ kg

(b) _____ %

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3. 45% of the pupils in a school are girls and the rest are boys. The total number of pupils in the school is 2400. Find the number of boys.

Ans: _____

4. The usual price of a pair of running shoes was $140. Ali bought it at a discount of 20%. How much did Ali pay for the pair of running shoes?

Ans: $_____

5. Henry has $1560 in a bank account that pays 3% interest at the end of each year. How much money will Henry have in his bank account at the end of 1 year?

Ans: $_____

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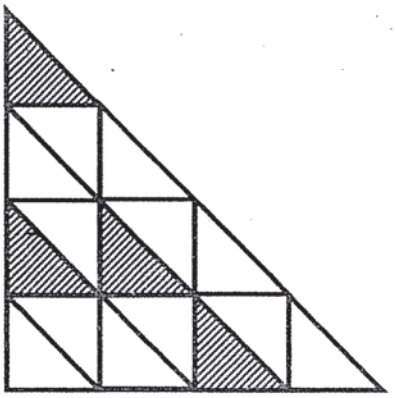
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Section B (20 marks)

Questions **6** to **10** carry 2 marks each. For questions **11** to **13**, 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.

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6. The figure below is made up of triangles of the same size. How many **more** triangles should be shaded so that 75% of the figure is shaded?



Ans: _____

7. A shopkeeper had some rice. 30% of the rice were sold on Monday and the rest of the rice were sold on Tuesday. If the mass of rice sold on Tuesday was 24 kg more than the mass of rice sold on Monday, how much rice was sold on Tuesday?

Ans: _____ kg

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8. A baker sold 640 tarts. 35% of them were mango tarts and the rest were kiwi tarts. How many kiwi tarts did the baker sell?

Ans: _____

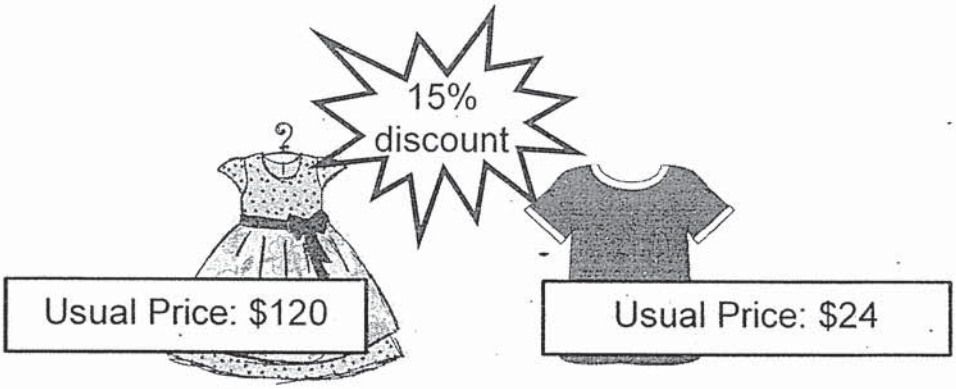
9. The price of a refrigerator before GST was $4390. What was the price of the refrigerator inclusive of 7% GST?

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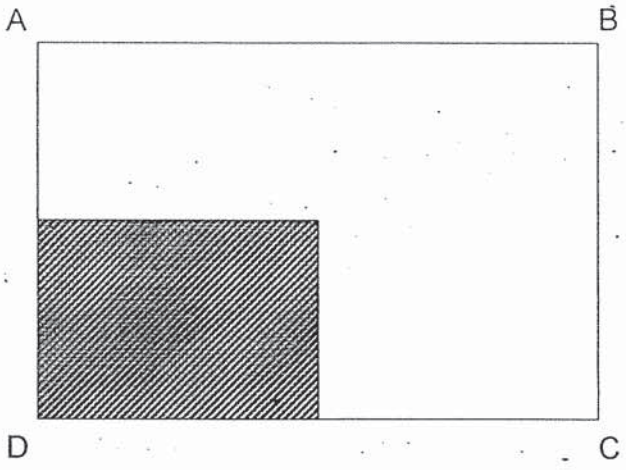
Ans: $_____

10. May bought a dress and a T-shirt. How much was the total discount?



Ans: $_____

11. In the figure below not drawn to scale, ABCD is a rectangle. 24% of the area is shaded. Given that AB = 45 cm and AD = 30 cm, find the area of the unshaded part.

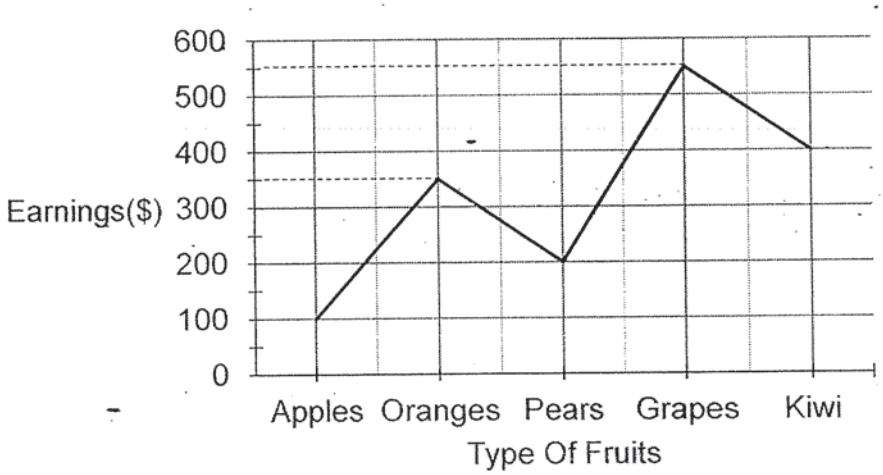


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Ans: _____[3]

12. The line graph shows the earnings of a fruit seller on a particular day of the week.



Based on the line graph above, 37.5% of the earnings came from the sale of 2 types of fruits. What are the 2 types of fruits?

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Ans: _____ and _____ [3]

13 (a) Each statement is either true, false or not possible to tell from the information given. For each statement, put a tick (√) in the correct column.

Ali had some red and white toy cars in his collection. 52% of his toy cars were red. He decided to give away 45 of his toy cars.

Statement	True	False	Not possible to tell
(i) Ali has more red toy cars than white toy cars in his collection at first. [1]			
(ii) Ali gave away more red toy cars than white toy cars. [1]			

(b) The table shows the number of fiction and non-fiction books read by a group of children.

	Fiction	Non Fiction
Boys	120	50
Girls	90	35
Total	210	85

What percentage of the books read were non-fiction books? Give your answer correct to the nearest whole number.

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NHPS P5 Term 3 WA3 2020 Answers

1.	$\frac{6}{15} \times 100\% = 40\%$ Or $\frac{2}{5} \times 100\% = 40\%$ Or $\frac{2}{5} = \frac{40}{100} = 40\%$	2.	(a) $12\% \times 360 = 43.2$ (b) $\frac{17}{40} \times 100\% = 42.5\%$
3.	$100\% - 45\% = 55\%$ $\frac{55}{100} \times 2400 = 1320$	4.	$\frac{80}{100} \times 140 = 112$
5.	$\frac{3}{100} \times 1560 = 46.80$ $46.80 + 1560 = 1606.80$		
6.	$\frac{3}{4} = \frac{12}{16}$ $12 - 4 = 8$		
7.	$70\% - 30\% = 40\%$ 40% of the total = 24 1% of the total = $24 \div 40 = 0.6$ 70% of the total = $0.6 \times 70 = 42$		
8.	$100\% - 35\% = 65\%$ $\frac{65}{100} \times 640 = 416$	9.	$\frac{7}{100} \times 4390 = 307.30$ $307.30 + 4390 = 4697.30$
10.	$120 + 24 = 144$ $\frac{15}{100} \times 144 = 21.60$	11.	$45 \times 30 = 1350$ $\frac{76}{100} \times 1350 = 1026$
12.	$\$100 + \$350 + \$200 + \$550 + \$400 = 1600 \frac{37.5}{100} x$ $1600 = 600$ They are pears and kiwis	13.	True (a) Not possible to tell (ii) False $210 + 85 = 295$ $\frac{85}{295} \times 100 \approx 29$

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