RAFFLES GIRLS' PRIMARY SCHOOL
WEIGHTED ASSESSMENT 1 2021
MATHEMATICS
PRIMARY 5

Name: _____.( )

Form Class: P5 _____ Math Teacher: _____

Date: 23 April 2021 Duration: 50 minutes

Your Total Score (Out of 32 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. Calculator is allowed for this paper.

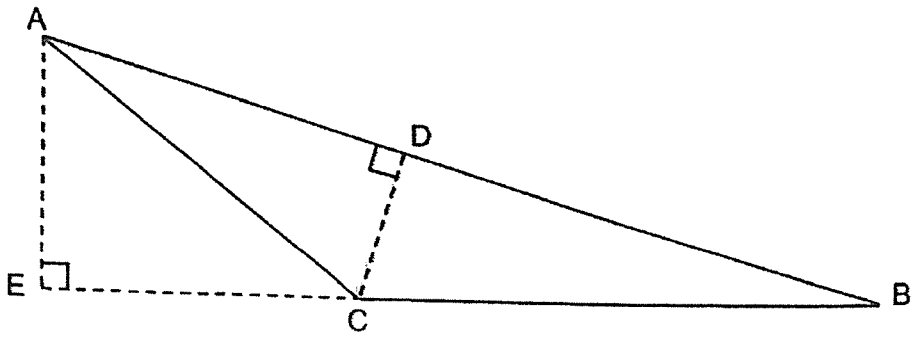
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Questions 1 and 2 carry 1 mark each and Questions 3 to 9 carry 2 marks each.
Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale. [16 marks]

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1. In triangle ABC, if the base is AB, the height is _____.



Ans: _____ [1]

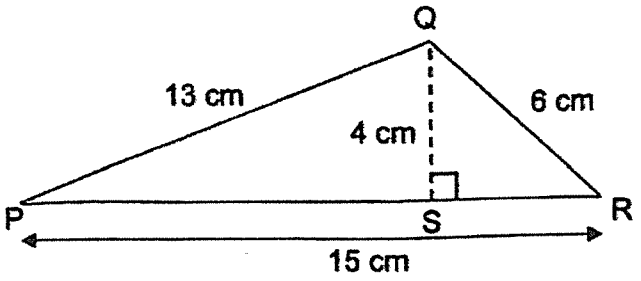
2. What is the missing number in the box?

16 : 36 = 28 : ☐

Ans: _____ [1]

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3. In triangle PQR, PQ = 13 cm, PR = 15 cm, QS = 4 cm and QR = 6 cm. Find the area of triangle PQR.



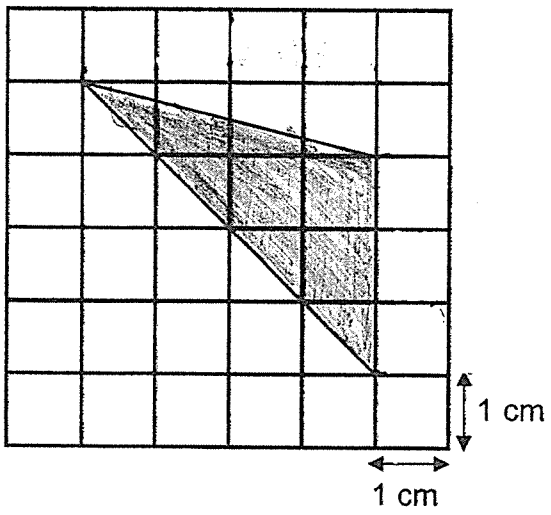
Ans: _____ cm^2 [2]

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4. In a school, the ratio of the number of Chinese pupils to Indian pupils is 7 : 2. There are 560 more Chinese pupils than Indian pupils. How many Indian pupils are there in the school?

Ans: _____ [2]

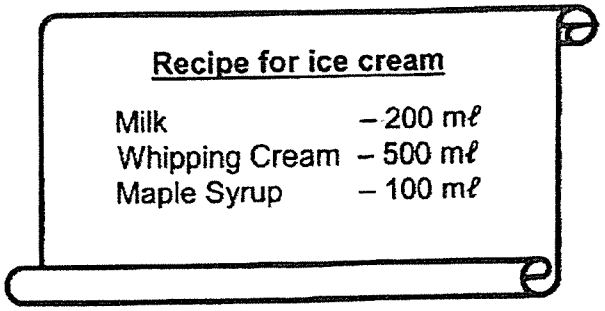
5. Find the area of the shaded part.



Ans: _____ cm^2 [2]

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6. Penny made some ice cream following the recipe below.



(a) Find the ratio of the quantity of milk to the quantity of whipping cream to the quantity of maple syrup needed in the recipe. Express the ratio in its simplest form.

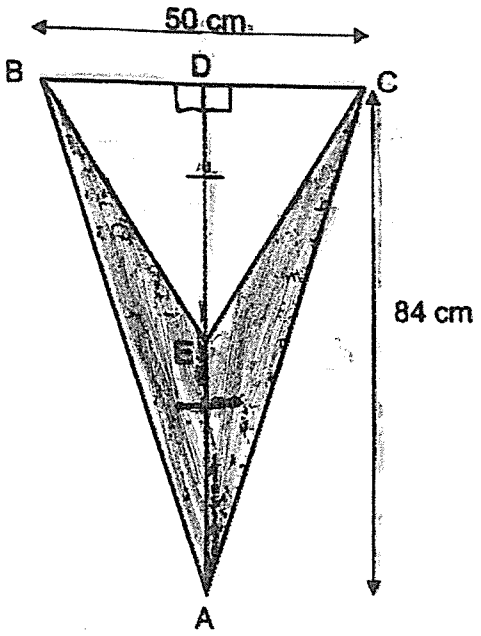
(b) Penny used 150 mℓ of maple syrup, how much whipping cream did she use?

Ans: (a) _____ [1]

(b) _____ mℓ [1]

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7. In the figure, AE = ED. Find the area of the shaded part.



Ans: _____ cm^2 [2]

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8. Adam, Bill and Carlos had marbles in the ratio of 3 : 10 : 8. After Adam received a total of 180 marbles from Bill and Carlos, the three boys had the same number of marbles. How many marbles did Bill give to Adam?

Ans: _____ [2]

9. Mr Yeo had 84 mangoes and some pineapples at his fruit stall. The ratio of the number of mangoes to the number of pineapples was 4 : 5. He sold 35 mangoes and 35 pineapples. What was the ratio of the number of mangoes to the number of pineapples in the end?

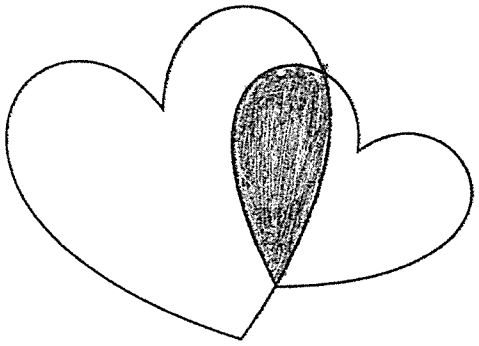
Ans: _____ [2]

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For questions **10** to **13**, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. All diagrams are not drawn to scale. [16 marks]

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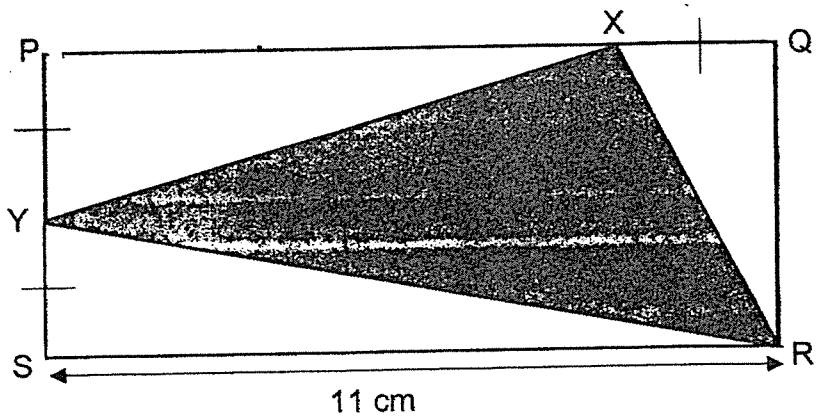
10. A figure is formed with a small heart and a big heart overlapping at the shaded part. The ratio of the area of the small heart to the shaded area of the figure to the unshaded area of the figure is 15 : 7 : 27. The shaded area is 735 cm^2.
Find the area of the big heart.



Ans: _____ [3]

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11. The perimeter of rectangle PQRS is 38 cm. PY = QX = SY.



(a) Find the length of QR.

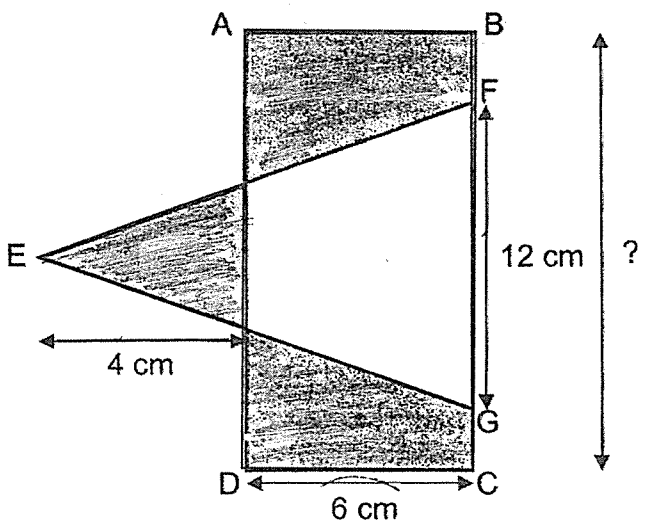
(b) Find the area of triangle RXY.

Ans: (a) _____ .[1]

(b) _____ .[3]

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12. The figure is made up of rectangle ABCD and triangle EFG. The area of the unshaded part of the figure is $\frac{3}{5}$ of the area of triangle EFG. The total area of the shaded parts is 96 cm^2. Find the length of BC.



Ans: _____ [4]

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13. There were green, red and blue pens in the school bookshop. The number of green pens to the number of red pens was in the ratio of 8 : 5 at first. Then, $\frac{1}{4}$ of the green pens and $\frac{1}{2}$ of the blue pens were sold, but none of the red pens were sold. The number of blue pens left was twice the sum of red and green pens left. A total of 360 pens were sold.

(a) What was the ratio of the number of green pens left to the number of red pens left in the end?

(b) How many blue pens were there at first?

Ans: (a) _____ [1]

(b) _____ [4]

END OF PAPER

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RAFFLES GIRLS' PRIMARY SCHOOL
WEIGHTED ASSESSMENT 2
MATHEMATICS
PRIMARY 5

Name: _____ ( )

Form Class: P5 _____ Math Teacher: _____

Date: 29 July 2021 Duration: 50 min

Your Score (Out of 30 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. The use of calculator is allowed for this paper.

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Questions 1 to 3 carry 1 mark each and Questions 4 to 11 carry 2 marks each.
Show your working clearly in the space provided for each question and write your answers in the spaces provided.
For questions which require units, give your answers in the units stated.
All diagrams are not drawn to scale. [19 marks]

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1. Convert 30 ℓ 5 mℓ to ℓ.

Ans : _____ ℓ [1]

2. Round 40.854 to 1 decimal place.

Ans : _____ [1]

3. Write 6 tens, 4 tenths and 7 thousandths as a numeral.

Ans : _____ [1]

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4. A total of 245 people visited an exhibition held in January. 98 of them were adults. What percentage of the people who visited the exhibition were adults?

Ans : _____ % [2]

5. Arrange the following decimals from the largest to the smallest.

3.809, 3.09, 3.87

Ans : _____, _____, _____ [2]
largest

6. Siti paid $20 for 400 g of durian. How much did Siti have to pay for 900 g of durian?

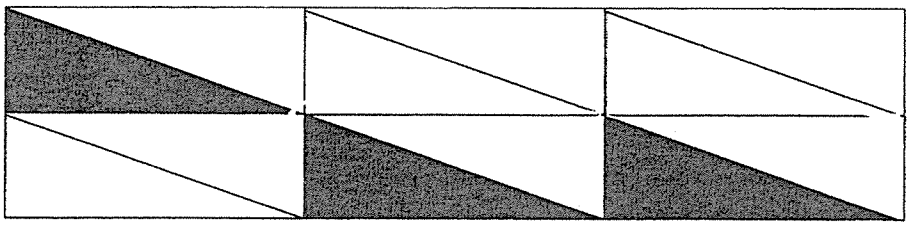
Ans : $_____ [2]

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7. Jane had an equal volume of blue and red paint. After using 3.5 ℓ of the blue paint and **13.3** ℓ of the red paint, the amount of blue paint left was 5 times the amount of red paint left. What was the amount of red paint left?

Ans : _____ ℓ [2]

8. The figure is made up of identical triangles. How many **more** triangles must be shaded such that 75% of the figure is shaded?



Ans : _____ [2]

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9. There were 350 participants at a coding workshop. 30% of them were girls and the remaining were boys. How many boys were at the workshop?

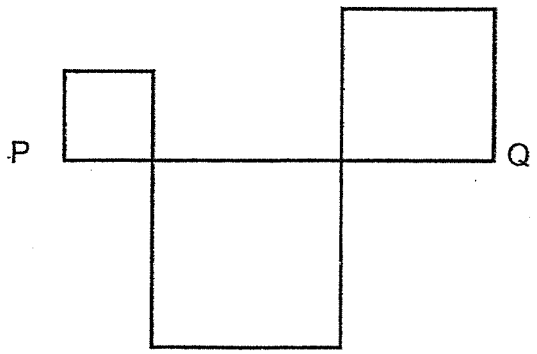
Ans: _____ [2]

10. Mr Smith had $95 000 in his bank account. The bank paid 3% interest at the end of each year. He did not withdraw any money from his account. How much money did he have in his bank account at the end of one year?

Ans: $_____ [2]

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11. Xavier bought 1.75 m of wire. He cut part of the wire to bend into 3 squares of different sizes as shown in the figure. PQ is a straight line of length 18 cm.



What was the length of the remaining wire?

Ans: _____ m [2]

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For questions 12 to 14, show your working clearly in the space provided for each question and write your answers in the spaces provided.
The number of marks available is shown in the brackets [ ] at the end of each question or part-question. All diagrams are not drawn to scale. [11 marks]

12. Mrs Richard and Mrs Raj saw an advertisement for a hula dancing class.



Feel like a star dancer!

- $120 per session
- Get 20% discount when you sign up for 2 sessions.

(a) Mrs Richard decided to sign up for 2 sessions of hula dancing. How much would she need to pay after the discount?

(b) Mrs Raj decided to sign up for 1 session of hula dancing. How much would she need to pay after including a GST of 7%?

Ans: (a)_____ [2]

(b)_____ [1]

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13. 40% of the people at a party were men and the rest were women.

36 men wore hats and 25% of the men did not wear hats. There were a total of 30 people at the party who did not wear hats.

(a) How many men did not wear hats at the party?

(b) What percentage of the people were women not wearing hats?

Ans: (a) _____ [2]

(b) _____ [2]

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14. A bakery shop baked 10.05 kg of cookies. Some of the cookies were packed into small packets of 250 g each and the rest were packed into big packets of 600 g each. In the end, the number of big packets was 4 more than the number of small packets. How many big packets of cookies were packed?

Ans: _____ [4]

END OF PAPER

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ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : WEIGHTED ASSESSMENT 1

Q1	CD
Q2	28 ÷ 16 = 1.75 36 × 1.75 = 63
Q3	$\frac{1}{2}$ × 15 × 4 = 30 CM^2
Q4	7 – 2 = 5 560 ÷ 5 = 112 112 × 2 = 224
Q5	$\frac{1}{2}$ × 3 × 4 = 6 CM^2
Q6	Milk = 200 Whipping Cream = 500 Maple Syrup = 100 a) Ratio = 2 : 5 : 1 b) Maple Syrup = 1u Maple Syrup = 150 150 × 5 = 750
Q7	84 ÷ 2 = 42 DE = EA = 42 $\frac{1}{2}$ × 84 × 50 = 2100 $\frac{1}{2}$ × 50 × 42 = 1050 CM^2
Q8	3 + 10 + 8 = 21 21 ÷ 3 = 7 each had 7u 10 – 7 = 3 3 + 1 = 4 180 ÷ 4 = 45 45 × 3 = 135

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Q9	M:P 4:5 84 = 4u 84 ÷ 4 = 21 21 × 5 = 105 pineapples = 105 105 – 35 = 70 70 = pineapples left 84 – 35 = 49 49:70 = 7:10
Q10	1u= 735 ÷ 7 = 105 big heart = 19u + 7u = 26u 105 × 26 = 2730 cm^2
Q11	Perimeter = B + B + H + H a) 11 × 2 = 22 38 – 22 = 16 16 ÷ 2 = 8 cm QR = 8 cm b) 11 × 8 = 88 8 ÷ 2 = 4 4 = XQ = PY = YS $\Delta YSR = \frac{1}{2} \times 4 \times 11$ =22 11 – 4 = 7 $\Delta XQR = \frac{1}{2} \times 4 \times 8 = 16$ 88 – 22 – 16 –14 =36 cm^2
Q12	6 + 4 = 10 $\frac{1}{2} \times 10 \times 12 = 60$ ($\triangle EFG$) 60 ÷ 5 = 12 12 × 2 =24 96 – 24 = 72 72 + 36 = 108 Area = L×B 108÷6=18 BC(Length) =18cm

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Q13	(a) $8 \times \frac{1}{4} = 6$ (green left) → 8 × 1/4 = 2 8 − 2 = 6 red pens = 5 Ans : 6 : 5 (b) 360 ÷ 24 = 15 15 × 44 = 660 Ans : 660

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ANSWER KEY

YEAR : 2021
LEVEL : PRIMARY 5
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : WEIGHTED ASSESSMENT 2

Q1	30.005
Q2	40.9
Q3	60.407
Q4	$\frac{98}{245} \times 100 = 40\%$
Q5	3.87, 3.809, 3.09
Q6	400g ➔ $20 100g ➔ 20÷4=5 900g ➔ 5×9=$45
Q7	13.3−3.5=9.8 9.8÷4=2.45
Q8	0.75×12=9 75% = $\frac{3}{4}$ 9−3=6
Q9	100%−30%=70% 0.7×350=245
Q10	95000 ➔ 100% intrest ➔ 3% with intrest ➔ 103% 1.03×95000=97850
Q11	0.18×4=0.72cm 1.75−0.72=1.03m
Q12	a) 120+120=240 0.2×240=48 240−48=192 $192 b) 100% ➔ 120 107% ➔ 1.07×120=128.40 ≈ $128.40

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Q13	25% of men did not wear hats 75% of men wore hats 75%➔36 25%➔36÷3=12(a) 30−12=18(woman not wearing hat) total men➔12×4=48(40% of total percentage) (total people) 48÷40×100−120 $\frac{18}{120}$×100=15(b) ➔ 15%
Q14	600g×4=2400g =2.4kg 10.05−2.4=7.65➔(same number of big pack and small pack) 600g=0.6kg 250g=0.25kg(small) 0.6+0.25=0.85 =9➔(number of small pack in number of big pack -4) big pack➔9+4=13

END

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