

**HENRY PARK PRIMARY SCHOOL  
2023 WEIGHTED ASSESSMENT 1  
MATHEMATICS  
PRIMARY 5**

Name: \_\_\_\_\_

Class: Primary 5 \_\_\_\_\_

Duration of Paper: 40 min

Marks:

Section A Multiple Choice Questions	12
Section 2 Long Answer Questions	18
Total	30

The use of calculator is not allowed.

Questions 1 to 6 carry 1 mark each. Questions 7 to 9 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 shade your answer in the Optical Answer Sheet.

(12 marks)

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1 What is the value of the digit 8 in the number 282 405?

- (1) 80
- (2) 800
- (3) 8000
- (4) 80 000

2 Which of the following is not a factor of 36?

- (1) 6
- (2) 9
- (3) 16
- (4) 18

3 Which of the following has the same value as  $4\frac{3}{8}$ ?

(1)  $\frac{28}{8}$

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

(3)  $\frac{43}{8}$

(4)  $\frac{56}{8}$

4 Which of the following fractions is the smallest?

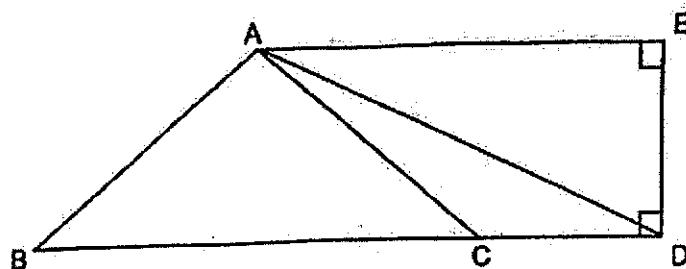
(1)  $\frac{5}{11}$

(2)  $\frac{5}{9}$

(3)  $\frac{5}{8}$

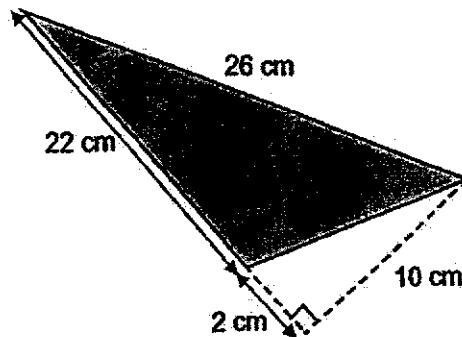
(4)  $\frac{5}{6}$

- 5 The figure below is made up of 3 triangles, ABC, ACD and ADE. BCD is a straight line. Given that the base of triangle ACD is CD, name the height of triangle ACD.



- (1) AB
- (2) AC
- (3) EA
- (4) ED

- 6 Find the area of the shaded triangle.



- (1)  $110 \text{ cm}^2$
- (2)  $120 \text{ cm}^2$
- (3)  $130 \text{ cm}^2$
- (4)  $220 \text{ cm}^2$

7 In a class of 42 students, 18 are girls. Express the ratio of the number of girls to the number of boys in the class.

- (1) 9 : 21
- (2) 3 : 4
- (3) 4 : 7
- (4) 4 : 3

8 Janet spent  $\frac{2}{5}$  of her money on a cake and  $\frac{1}{3}$  of the remainder on a cookie. What fraction of her money had she left?

- (1)  $\frac{1}{5}$
- (2)  $\frac{2}{5}$
- (3)  $\frac{2}{15}$
- (4)  $\frac{4}{15}$

9 A repeated pattern is formed using the numbers 3 and 0. The first 15 numbers are shown below.

0	3	0	3	3	0	3	0	3	3	0	3	0	3	3
1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>												15 <sup>th</sup>

What is the sum of the first 103 numbers?

- (1) 120
- (2) 180
- (3) 183
- (4) 228

Questions 10 to 13 carry 1 mark each. Questions 14 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 answers in the units stated.

(18 marks)

- 10 Find the value of  $4 + (101 + 19) + 2$

Ans: \_\_\_\_\_

- 11 Find the value of  $\frac{7}{15} - \frac{1}{3}$ .

Ans: \_\_\_\_\_

- 12 What is the missing number in the following?

$$3 : 7 = 27 : ?$$

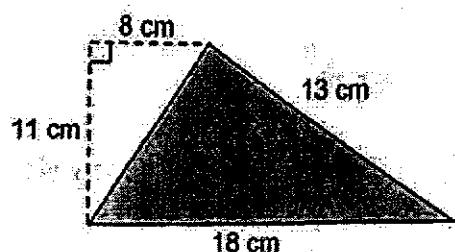
Ans: \_\_\_\_\_

- 13 Form the smallest even number using all the digits given below. Each digit can only be used once.

2, 7, 0, 8, 9, 4

Ans: \_\_\_\_\_

14. Find the area of the shaded triangle.



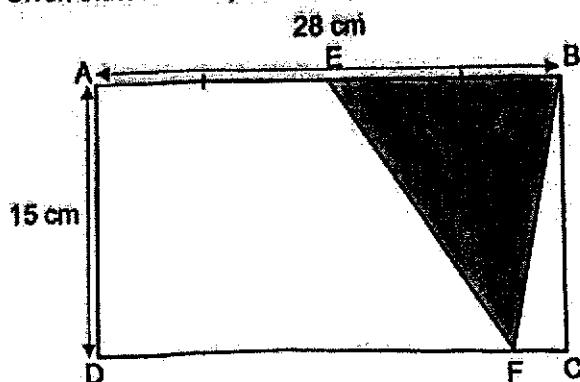
Ans: \_\_\_\_\_ cm<sup>2</sup>

15. Gwen spent  $\frac{5}{8}$  of her money and had \$48 left. How much money did she have at first?

Ans: \$ \_\_\_\_\_

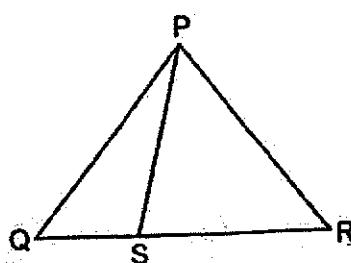
16

The diagram below shows rectangle ABCD with a shaded triangle EBF in it. Given that  $AE = EB$ , find the total area of the unshaded parts of rectangle ABCD.

Ans: \_\_\_\_\_ cm<sup>2</sup>

17

The ratio of the area of triangle PQS to the area of triangle PSR is 2 : 5. The area of triangle PQR is 84 cm<sup>2</sup>. What is the area of triangle PSR?

Ans: \_\_\_\_\_ cm<sup>2</sup>

- 18 In a shop, oranges are sold at the price shown below.



5 oranges for \$7

Susan bought 30 oranges with all her money. To buy 20 papayas with the same amount of money, she will be short of \$18. Given that the cost of each papaya is the same, how much does each papaya cost?

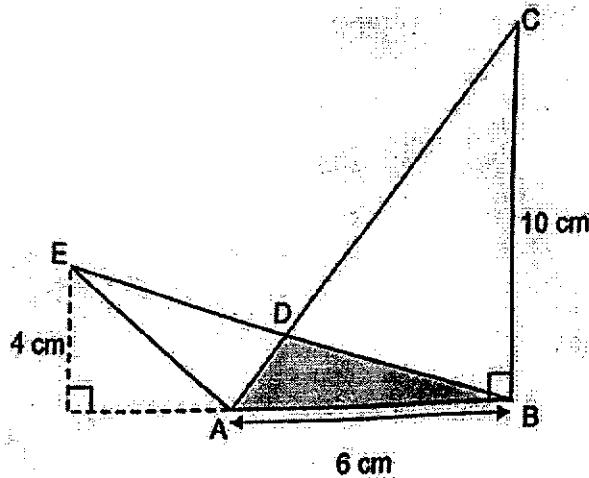
Ans: \$

19

Chef Lim had some eggs at first. He used  $\frac{1}{10}$  of the total number of eggs and an additional 38 eggs on Monday. He continued using  $\frac{4}{7}$  of the remaining eggs on Tuesday. He used up the remaining 30 eggs on Wednesday. How many eggs did Chef Lim have at first?

Ans: \_\_\_\_\_

- 20 Figure ABCDE has an area of  $34 \text{ cm}^2$ . ADC and BDE are straight lines.  
Find the area of the shaded triangle ABD.



Ans: \_\_\_\_\_  $\text{cm}^2$

End of Paper

Setter: Mrs Cheryl Liu



SCHOOL : HENRY PARK PRIMARY SCHOOL

LEVEL : PRIMARY 5

SUBJECT : MATH

TERM : WA1 (2023)

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Q 1	Q2	Q3	Q4	Q5	Q 6	Q7	Q8	Q9
4	3	2	1	4	1	2	2	3

10)	64
11)	2/15
12)	63
13)	204796
14)	$\frac{1}{2} \times 18 \times 11 = 99 \text{ cm}^2$
15)	$3/8 = 48$ $1/8 = 48 \div 3 = 16$ $16 \times 5 = 80$ $80 + 48 = \$128$
16)	$28 \div 2 = 14$ $\frac{1}{2} \times 14 \times 15 = 105$ $28 \times 15 = 420$ $420 - 105 = 315 \text{ cm}^2$
17)	$84 \div 7 = 12$ $12 \times 5 = 60 \text{ cm}^2$

18)	$6 \times 7 = 42$ $42 + 18 = 60$ $60 \div 20 = \$3$
19)	$30 \div 3 = 10$ $10 \times 7 = 70$ $70 + 38 = 108$ $108 \div 9 = 12$ $12 \times 10 = 120$
20)	$34 - \frac{1}{2} \times 10 \times 6 = 4$ $\frac{1}{2} \times 6 \times 4 = 8 \text{ cm}^2$