HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT 1
MATHEMATICS
PRIMARY 5

(Booklet A)

Name: _____ ( ) Parent's Signature

Class: Primary 5_____ _____

Marks:

Booklet A	12
Booklet B	18
Total	30

Total Time: 40 min

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Shade your answers in the Optical Answer Sheet (OAS) provided.
You are **not** allowed to use a calculator.

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?

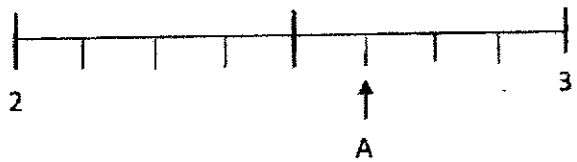
(1) 6

(2) 9

(3) 16

(4) 18

3 In the number line, what is the mixed number represented by A?



(1) $2\frac{1}{4}$

(2) $2\frac{3}{4}$

(3) $2\frac{5}{7}$

(4) $2\frac{5}{8}$

4 Which one of the following fractions is the biggest?

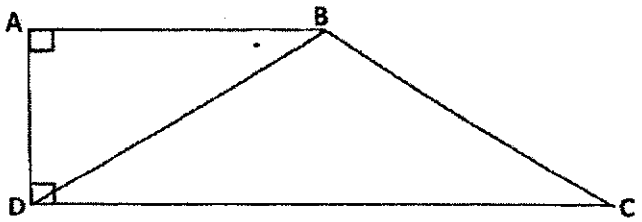
(1) $\frac{3}{11}$

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

(3) $\frac{3}{7}$

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

5 The figure below is made up of two triangles, ABD and BCD. Given that the height of triangle BCD is AD, find its base.



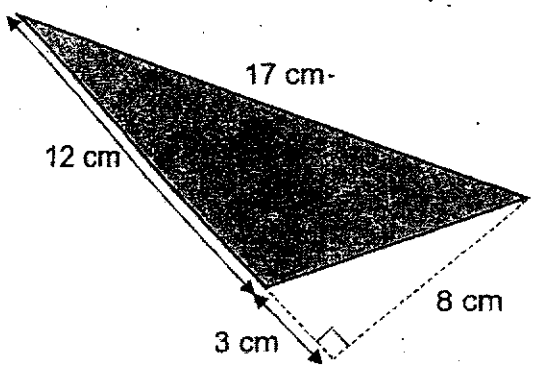
(1) AB

(2) BC

(3) BD

(4) DC

6 Find the area of the shaded triangle.



(1) 48 cm^2

(2) 60 cm^2

(3) 68 cm^2

(4) 102 cm^2

7 What is the missing number in the box?

5 : 15 = ? : 12

(1) 9

(2) 2

(3) 3

(4) 4

8 Percy spent $\frac{3}{5}$ of his money on a shirt and $\frac{1}{4}$ of the remainder on a belt. What fraction of his money had he left?

(1) $\frac{3}{10}$

(2) $\frac{3}{20}$

(3) $\frac{7}{10}$

(4) $\frac{9}{20}$

9 A repeated pattern is formed using the numbers 2 and 0.
The first 15 numbers are shown below.

2	0	2	2	0	2	0	2	2	0	2	0	2	2	0	...
1st	2nd	3rd												15th	

What is the sum of the first 98 numbers?

(1) 114

(2) 117

(3) 118

(4) 122

HENRY PARK PRIMARY SCHOOL
2021 WEIGHTED ASSESSMENT 1
MATHEMATICS
PRIMARY 5

(BOOKLET B)

Name: _____ ( )

Class: Primary 5_____

18

Total Time for Booklets A and B: 40 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

Write your answers in this booklet.

You are **not** allowed to use a calculator.

Questions **10** to **13** carry 1 mark each. Write your answers in the spaces provided. For questions which require units, give your answers in the units stated.

(4 marks)

Do not write in this space

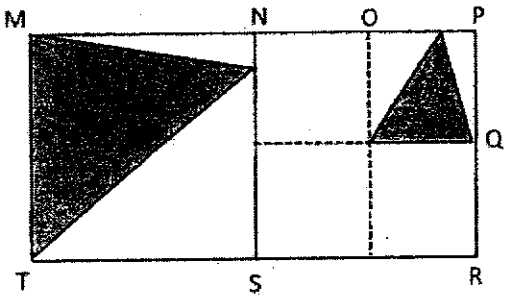
10 Find the value of $(18 - 12) \times 5 + 36 \div 2$

Ans: _____

11 Find the value of $\frac{3}{8} \times \frac{4}{9}$

Ans: _____

12 Rectangle MPRT is made up of 2 identical squares MNST and NPRS. Given that NO = OP = PQ, what fraction of rectangle MPRT is shaded?



Ans: _____

(Go on to the next page)

13 Lily and Bala shared 42 sweets in the ratio of 2 : 5. How many sweets will Bala get?

Ans: _____

(Go on to the next page)

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.

(14 marks)

Do not write in this space

14 Use all the digits 6, 2, 5, 9 to form

(a) the smallest multiples of 7

(b) the number closest to 9000

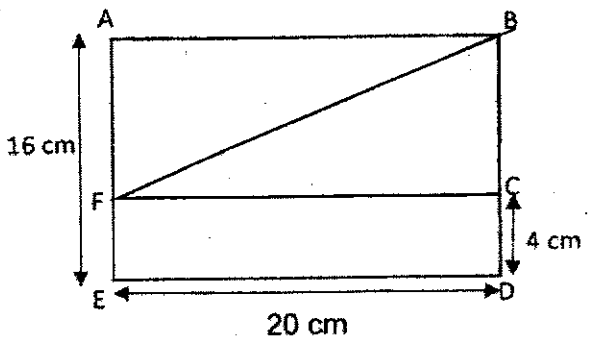
Ans: (a)_____

(b)_____

15 There were 96 students in the school hall. $\frac{2}{3}$ of the students were girls. $\frac{1}{4}$ of the girls wore glasses. How many girls wore glasses?

Ans: _____

16 The figure below shows a rectangle, ABDE. FC is parallel to ED. Find the area of the shaded triangle BCF in figure below.



Ans: _____ cm^2

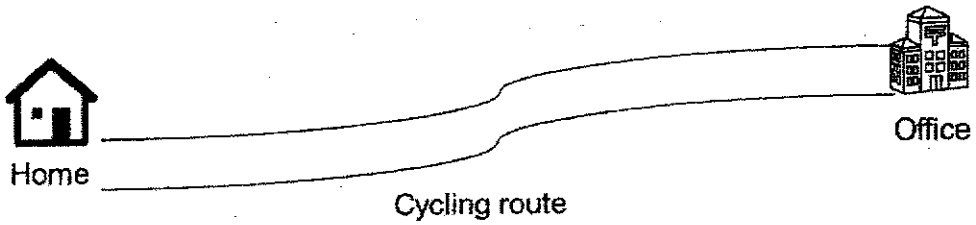
17 $\frac{1}{5}$ of the buttons in a bag are pink. The remaining buttons were blue and yellow in the ratio of 3 : 5. Find the ratio of the number of pink buttons to the number of yellow buttons.

Ans: _____

18 Vicky earned $5 for every box of tarts she sold. She earned a bonus of $10 for every 12 boxes of tarts sold. Given that Vicky earned a total of $215 how many boxes of tarts did Vicky sell?

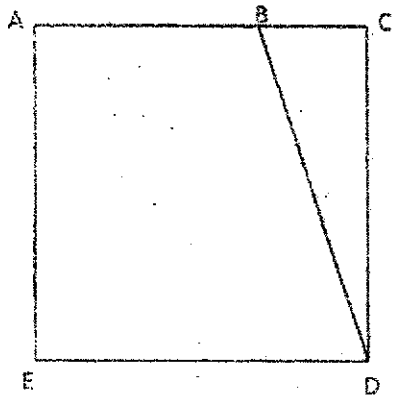
Ans: _____

19 Mr Lee cycles to work from his home to his office and then cycles back home from his office after work. He uses the same route to and fro. Given that the distance between his home and his office is $\frac{4}{5}$ km, find the total distance Mr Lee cycles to and from work from Monday to Friday for a week.



Ans: _____ km

20 ACDE is a square. The length AB is twice the length of BC.



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

Statement	True	False	Not possible to tell
Given that the height of triangle BCD is BC, the ratio of the height of triangle BCD to the base of triangle BCD is 1:3.			
When AB = 12 cm, the area of triangle BCD will be 54 cm².			
Triangle BCD is $\frac{1}{3}$ the area of square ACDE.			

End of Paper

SCHOOL : HENRY PARK PRIMARY SCHOOL
LEVEL : PRIMARY 5
SUBJECT : MATH
TERM : 2021 WEIGHTED ASSESSMENT 1

BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
4	3	4	4	4	1	4	1	3

BOOKLET B

Q10)	48
Q11)	$\frac{1}{6}$
Q12)	$\frac{5}{16}$
Q13)	30 sweets
Q14)	a) 2569 b) 9256
Q15)	96 ÷ 6 = 16 Ans: 16 girls
Q16)	16 – 4 = 12 $\frac{1}{2}$ x 12 x 10 = 120 20 x 4 = 80 120 x 2 = 240 240 – 80 = 160 160 -120 = 40 Ans: 120cm^2
Q17)	Pink : Yellow + Blue 1 : 4 Blue : Yellow 3 : 5 Pink : Yellow : Blue 2 : 5 : 6 Ans: 2 : 5
Q18)	Every 12 boxes: $5 x 12 + $10 = $70 $215 ÷ 70 = 3 sets R$5

	3 x 12 + 1 = 37 Ans: $37 boxes
Q19)	$\frac{4}{5} + \frac{4}{5} = \frac{8}{5}$ $\frac{8}{5}$ x 5 = 8 Ans: 8km

Q20)

Statement	True	False	Not possible to tell
Given that the height of the triangle BCD is BC, the ratio of the height of triangle BCD to the base of the triangle BCD is 1:3	√		
When AB = 12 cm, the area of triangle BCD will be 54cm^2	√		
Triangle BCD is $\frac{1}{3}$ the area of square ACDE		√	