Rosyth School
End-of-Year Examination 2020
Mathematics
Primary 4

Name : _____ ( ) Total ___/100

Class : **Pr 4 -** _____ Duration: **1h 45 min**

Date : **29th October 2020** Parent's Signature: _____

Instructions to Pupils:

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer all questions.
4. This paper consists of 3 parts: Sections A, B and C.
5. For questions 1 to 15 in Section A, shade your answers in the Optical Answer Sheet (OAS).

	Maximum Marks	Marks Obtained
Section A	**30**	
Section B	**42**	
Section C	**28**	
Total	**100**	

* This paper **consists of 25 printed pages** altogether (including the cover page).

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Section A (30 marks)
For questions 1 to 15, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade your answers on the Optical Answer Sheet. Each question carries 2 marks.
All diagrams in this paper are not drawn to scale unless stated otherwise.

1. In which of the following numbers does the digit 7 stands for 700?

   (1) 3074
   (2) 3407
   (3) 4730
   (4) 7430

2. 44 thousands and 3 tens is the same as _____.

   (1) 443
   (2) 4430
   (3) 44 003
   (4) 44 030

3. 34 568 rounded to the nearest hundred is _____.

   (1) 34 500
   (2) 34 560
   (3) 34 600
   (4) 35 000

4. Which one of the following has $\frac{1}{5}$ of the figure shaded?

(1) (2) (3) (4)

5. $\frac{1}{6} + \frac{1}{3} =$ _____

(1) $\frac{1}{18}$

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

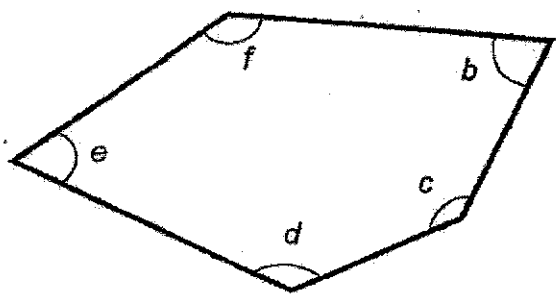
(3) $\frac{1}{2}$

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

6. In the number 35.61, the digit _____ is in the tenths place.

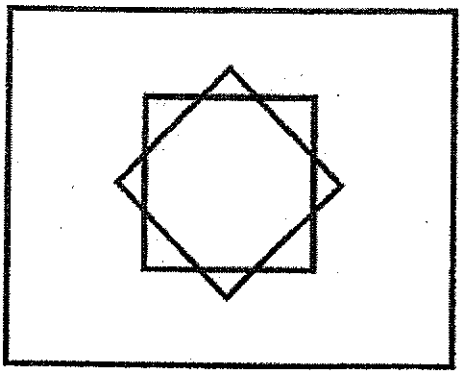
(1) 1
(2) 5
(3) 3
(4) 6

7. Which two angles in the figure below are smaller than 90°?



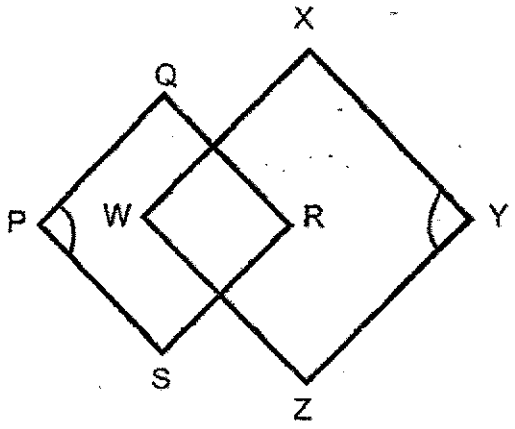
(1) ∠b and ∠c
(2) ∠c and ∠f
(3) ∠b and ∠e
(4) ∠d and ∠f

8. The figure below is made up of 2 squares and 1 rectangle.
How many right angles are there in the figure?



(1) 8
(2) 12
(3) 16
(4) 20

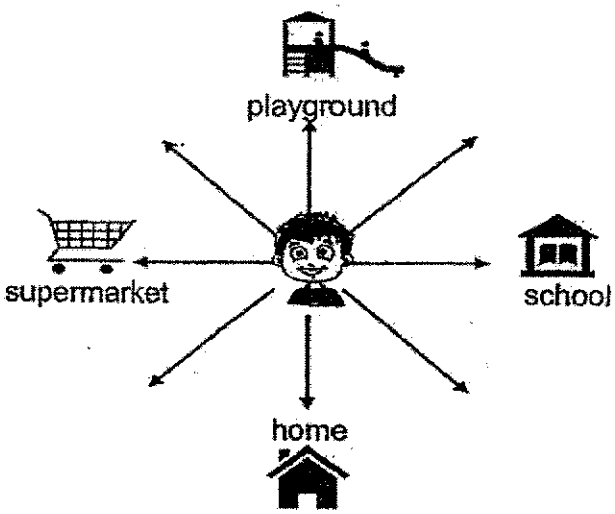
9. The figure below is made up of a square PQRS and a square WXYZ.

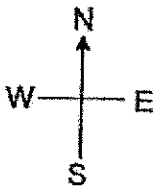


Find the sum of ∠QPS and ∠XYZ.

(1) 45°
(2) 90°
(3) 135°
(4) 180°

10. Tony is facing his home. He makes a $\frac{3}{4}$ turn clockwise. He then made a 180° turn anticlockwise. Where is he facing now?

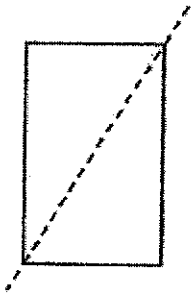




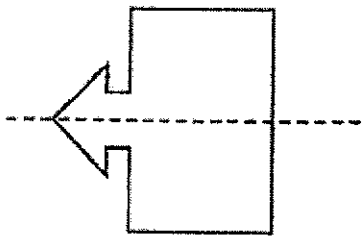
(1) Home
(2) School
(3) Supermarket
(4) Playground

11. Which of the following dotted line in the figure does not show correctly the line of symmetry?

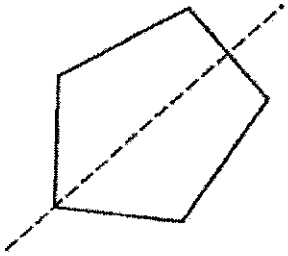
(1)



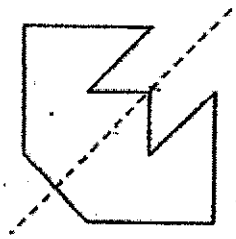
(2)



(3)



(4)



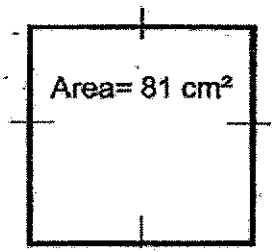
12. The table below shows the attendance of three classes of students in a week.

Day	Class		
	4A	4B	4C
Monday	40	40	38
Tuesday	40	38	38
Wednesday	37	40	38
Thursday	39	38	40
Friday	40	36	40

If there are 40 students in each class, which day in the week were there most number of absentees for the three classes altogether?

(1) Tuesday
(2) Wednesday
(3) Thursday
(4) Friday

13. The area of a square is 81 cm². Find its perimeter.



(1) 9 cm
(2) 18 cm
(3) 32 cm
(4) 36 cm

14. Kim's water bottle holds 1.8ℓ of water. Jake's water bottle holds 0.25ℓ less water than Kim's water bottle. How much water does Jake's water bottle hold?

(1) 1.05 ℓ
(2) 1.55 ℓ
(3) 1.65 ℓ
(4) 2.05 ℓ

15. Anna and Cindy had an equal amount of money at first. After Anna donated $40 and Cindy donated $160, she had 3 times as much money as Cindy. How much money did each girl have at first??

(1) $60
(2) $100
(3) $220
(4) $260

Section B (42 marks)

Questions **16** to **36** carry 2 marks each. Write your answers in the spaces provided. Show your workings clearly. For questions which require units, give your answers in the units stated.

Do not write in this space

All diagrams in this paper are not drawn to scale unless stated otherwise.

16. What is the value of the digit 5 in 57 690?

Ans: _____

17. Fill in the blank with the correct number in the number pattern below.

850, 825, 800, _____, 750

Ans: _____

18. How many one-eighths are there in 1 whole?

Ans: _____

19. Find the value of $1 - \frac{1}{5} - \frac{1}{10}$.

Do not write in this space

Ans: _____

20. Write 6 thousandths as a decimal.

Ans: _____

21. Round 13.55 to the nearest whole number.

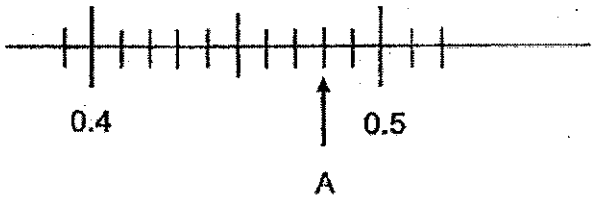
Ans: _____

22. Arrange these numbers from the smallest to the greatest.

0.414 , 6.4 , 0.604 , 0.089

Ans: _____, _____, _____, _____
(smallest) (greatest)

23. Write the decimal represented by A.



Ans: _____

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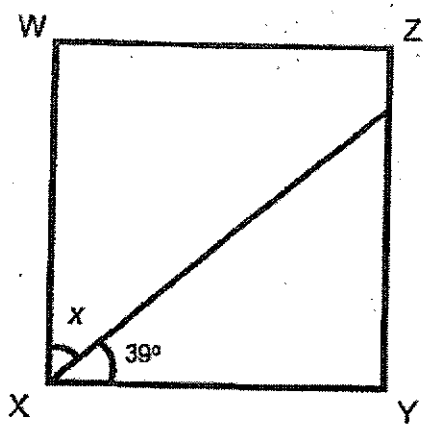
24. I am a number greater than 20 but less than 40. I am a multiple of 2 and a factor of 56. What number am I?

Ans: _____

25. Bus A arrives at a bus stop at every 9 minutes. Bus B arrives at the same bus stop at every 12 minutes. Both buses arrive at the bus stop at 1.00 p.m. When will these two buses arrive at the same bus stop at the same time again?

Ans: _____ p.m.

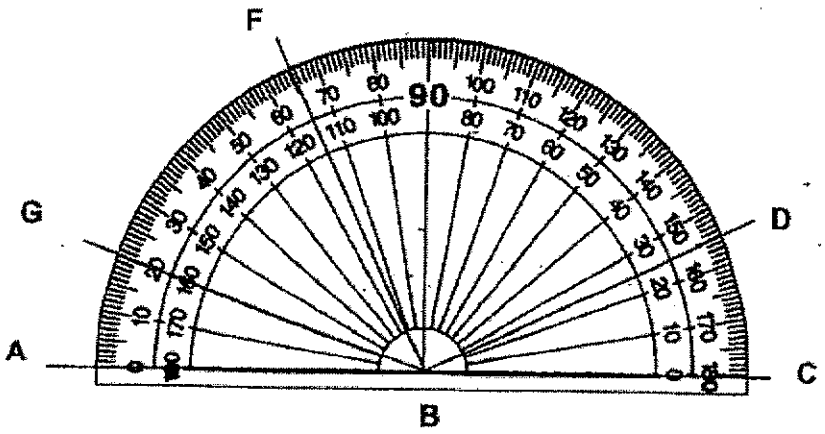
26. WXYZ is a square. Find $\angle x$.



Do not write in this space

Ans: _____°

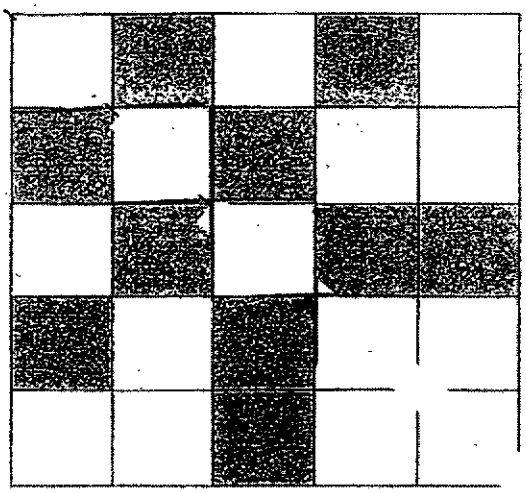
27. Name the angle that is equal to 135°.



Ans: $\angle$ _____

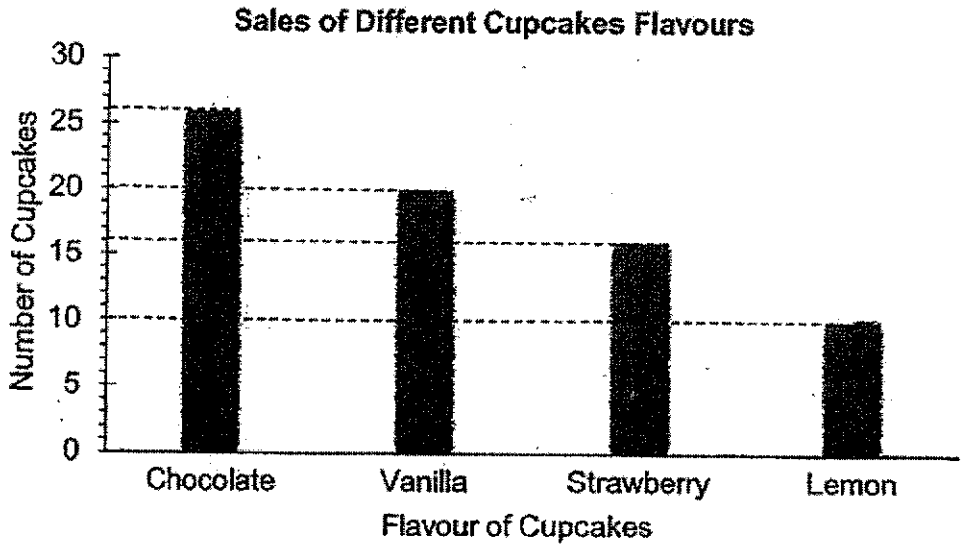
28. Use a ruler to draw the line of symmetry in the figure below.

Do not write in this space



Use the following information below to answer Questions 29 and 30.

The graph below shows the number of different flavours of cupcakes sold in a shop on a certain day.



29. How many more chocolate cupcakes were sold compared to the strawberry cupcakes?

Ans: _____

30. The cupcakes were sold at 4 for $9. How much was the sales of cupcakes on that day?

Ans: $ _____

Do not write in this space

31. The perimeter of a square room is 32m. What is the area of the square room?

Do not write in this space

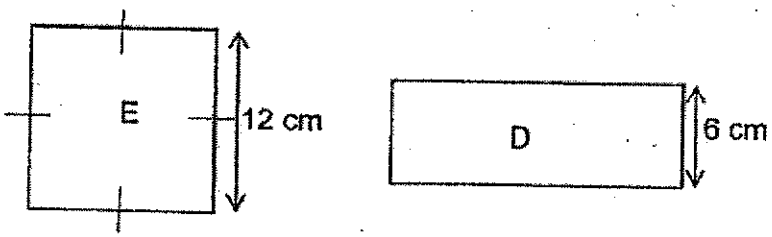
Ans: _____ m^2

32. A rectangular floor measures 10m by 6m. It is covered with carpet at a cost of $150 per square metre. What is the cost of covering the whole floor?

Ans: $ _____

33. Rectangle D and square E have the same area. Find the perimeter of rectangle D.

Do not write in this space



Ans: _____ cm

34. Alice was given $3 pocket money every day in the week. She spent $2.70 each day from Monday to Friday and saved the rest. She saved all her pocket money on Saturday and Sunday. How much money did she save in a week?

Ans: $_____

35. Tim and Joel had a sum of money. Joel had 5 times as much money as Tim at first. After Joel spent $24.80, he had the same amount of money as Tim. How much money did Joel had at first?

Do not write in this space

Ans: $ _____

36. Mrs Lee had 3 red ribbons and 1 blue ribbon. The blue ribbon was 0.6m shorter than a red ribbon. The total length of the ribbons was 11.4m. How long was the blue ribbon?

Ans: _____ m

Section C (28 marks)

Questions **37** to **40** carry 3 marks each. Questions **41** to **44** carry 4 marks each. Show your working clearly and 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.

All diagrams in this paper are not drawn to scale unless stated otherwise.

Do not write in this space

37. There were 81 pencils and 54 erasers to be packed into gift boxes. Each item is equally distributed and packed into the gift boxes. What was the greatest number of gift boxes that was packed?

Ans: _____ [3]

38. Nick sold $\frac{1}{8}$ of his stickers and gave away $\frac{1}{3}$ of it to John.

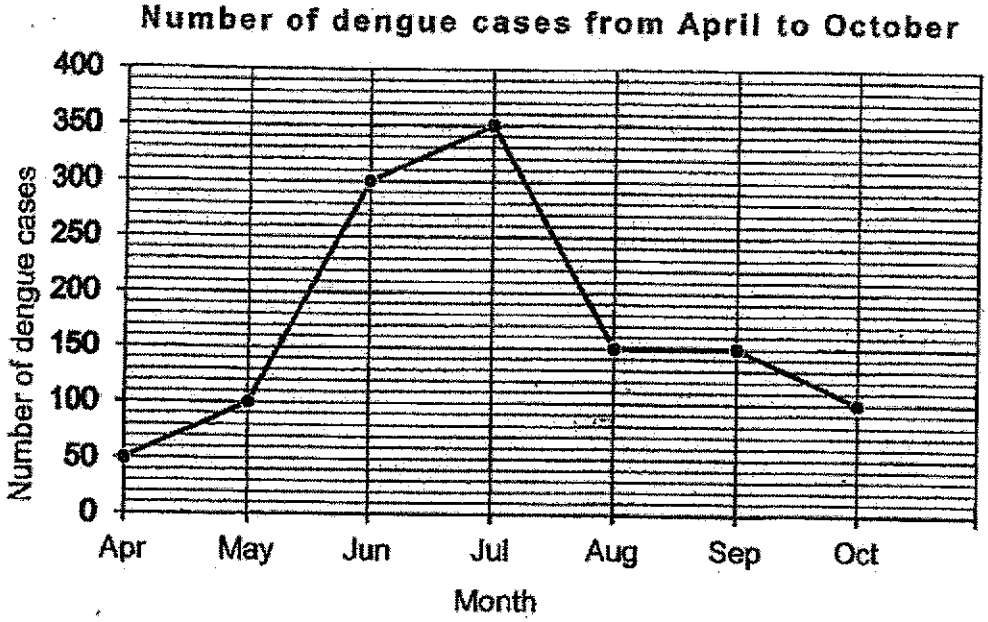
What is the fraction of stickers left? Express your answer in the simplest form.

Do not write in this space

Ans: _____ [3]

39. The graph below shows the number of dengue cases from April to October. Study the graph carefully and answer the following questions.

Do not write in this space



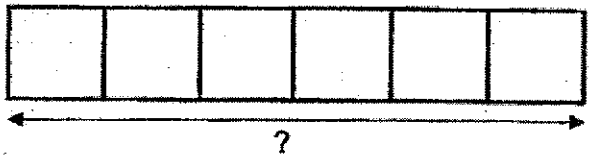
a) Which month has the highest number of dengue cases?

b) What is the total number of dengue cases from Apr to Oct?

Ans: (a) _____ [1]

(b) _____ [2]

40. The figure is made up of 6 identical squares. The area of one square is 64 cm^2. Find the length of the figure.



Do not write in this space

Ans: _____ [3]

41. There were five times as many apples as watermelons in a fruit stall. Each apple cost $1 and each watermelon cost $4. If the total cost of all the apples and watermelons was $108, how many apples were there in the stall?

Do not write in this space

Ans: _____ [4]

42. Don, Eric and Felix had 351 stamps. Felix had twice as many stamps as Don. Eric had thrice as many stamps as Felix. After Eric had given some stamps to Felix and Don, all of them had the same number of stamps.

(a) How many stamps did Eric give to Felix?

(b) How many stamps did Eric give to Don?

Do not write in this space

Ans: (a) _____ [2]

(b) _____ [2]

43. A spider was climbing to the top of a garden wall. It started from the bottom of the wall and after climbing up $\frac{1}{3}$ of the wall, it began to rain. During the rain, the spider slipped down 2m. When the rain stopped, the spider climbed up the remaining $\frac{7}{9}$ of the height of the wall to reach to the top. Find the height of the wall.

Do not write in this space

Ans: _____ [4]

44. A teapot and a cup cost $29.75 together. Ashlyn paid $202.65 for 5 teapots and 12 cups. What is the cost of a cup?

Do not write in this space

Ans: _____ [4]

End of paper

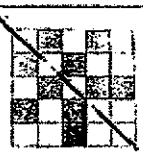
ANSWER KEY

YEAR : 2020
LEVEL : PRIMARY 4
SCHOOL : ROSYTH
SUBJECT : MATHEMATICS
TERM : SA2

SECTION A

Q1	3	Q2	4	Q3	3	Q4	2	Q5	3
Q6	4	Q7	3	Q8	2	Q9	4	Q10	3
Q11	1	Q12	2	Q13	4	Q14	2	Q15	3

SECTION B

Q16	50000
Q17	775
Q18	8
Q19	$1 - \frac{1}{5} - \frac{1}{10} = 1 - \frac{2}{10} - \frac{1}{10} = \frac{7}{10}$
Q20	0.006
Q21	13.55 ~ 14 =14
Q22	0.089 , 0.414 , 0.604 , 6.4
Q23	0.48
Q24	28
Q25	1.36 cm
Q26	90 – 89 = 1°
Q27	160° + 25° = 135° 155° - 20° = 135° < = GBD
Q28	
Q29	26 – 16 = 10

Q30	72 ÷ 4 =18 18 x 9 =162
Q31	One side – 32 ÷ 4 = 8 Area – 8 x 8 = 64m2
Q32	Floor area – 10 x 6 = 60 Cost – 150 x 60 = $9000
Q33	12 x 12 = 144 144 ÷ 6 = 24 24 + 6 + 24 + 6 = 60cm
Q34	3 x 7 = 21 $2.70 x 5 = 13.50 21 – 13.50 = $7.50
Q35	$24.80 + $6.20 = $31
Q36	11.4 + 0.6 = 12 12 ÷ 4 = 3 3 – 0.6 = 2.4m
Q37	Greatest common factor – 27 The gratest number of gift boxes was 27.
Q38	Sold - $\frac{1}{8}+\frac{1}{3}=\frac{3}{24}+\frac{8}{24}=\frac{11}{24}$ Left – $1-\frac{11}{24}=\frac{13}{24}$ $\frac{13}{24}$ of the stickers was left
Q39	a) Jul has the highest number of dengue cases ANS : Jul b) The total number of dengue cases from Apr to Oct is 1200 ANS : 1200
Q40	64cm2 – 8x 8 length – 8 x 6 = 48 The length of the figure is 48cm ANS : 48cm
Q41	1 set - 1+1+1+1+1+4 =9 NO.OF SET – 108 ÷ 9 = 12 NO.OF apple – 12 x 5 = 60 There were 60 apples ANS : 60

Q42	a) 9units – 351 1 unit – 351 ÷ 9 = 39 Eric gave 39 stamps to Felix ANS : 39 b) 2 unit – 39 x 2 = 78 Eric gave 78 stamps to Don ANS : 78
Q43	1 unit – 2 $\frac{1}{9}$ - 2 $\frac{9}{9}$ – 2 x 9 = 18 The height of the wall is 18m ANS : 18m
Q44	5TP + 12C = 202.65 5TP + 5C = 29.75 x 5 TC = 202.65 – 148.75 = 53.90 1C = 53.90 ÷ 7 = 7.70 The cost of a cup is $7.70 ANS : $7.70

END