

**CATHOLIC HIGH SCHOOL**  
**MID-YEAR EXAMINATION (2021)**  
**PRIMARY FOUR**  
**MATHEMATICS**

Name : \_\_\_\_\_ (      )

Class : Primary 4 \_\_\_\_\_

Date : 10 May 2021

Total time : 1 h 45 min

45 questions

100 marks

Parent's signature : \_\_\_\_\_

SECTION A	40
SECTION B	40
SECTION C	20
<b>Total Marks</b>	<b>100</b>

**INSTRUCTIONS TO CANDIDATES**

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.

This booklet consists of 21 printed pages excluding the cover page.



### **Section A**

Questions 1 to 20 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). Shade the oval (1, 2, 3 or 4) on the Optical Answer Sheet. All diagrams are not drawn to scale. (40 marks)

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1. In the number 14 320, which digit is in the thousands place?

(1) 1

(2) 2

(3) 3

(4) 4

( )

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2. Which of the following numbers is 4000 more than 57 130?

(1) 17 130

(2) 53 130

(3) 61 130

(4) 97 130

( )

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3. The value of the digit 7 in 17 065 is \_\_\_\_\_.

(1) 700

(2) 7000

(3) 70 000

(4) 700 000

( )

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4. 8 ten thousands + 4 hundreds + 3 ones = \_\_\_\_\_.  
What is the missing number?

(1) 8430

(2) 8043

(3) 80 403

(4) 84 003

( )

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5. Multiply 2083 by 9.

(1) 11 072

(2) 12 082

(3) 18 727

(4) 18 747

( )

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6. The sum of two numbers is 1600. The difference between the two numbers is 280. Find the smaller number.

(1) 520

(2) 660

(3) 800

(4) 940

( )

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7. Find the quotient when 4964 is divided by 7.

(1) 709

(2) 710

(3) 28 328

(4) 34 748

( )

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8. Which of the following are common factors of 8 and 12?

(1) 2 and 3

(2) 2 and 4

(3) 4 and 8

(4) 4 and 12

( )

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9.  $270^\circ$  is equal to a \_\_\_\_\_ turn.

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

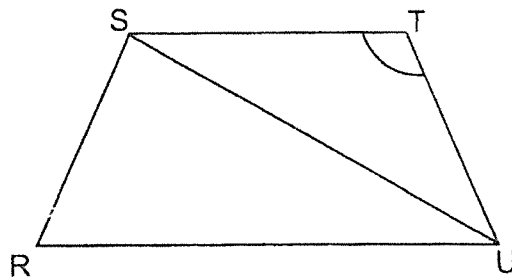
(2)  $\frac{1}{2}$

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

(4) complete ( )

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10. Name the marked angle in the following figure.



(1)  $\angle TSU$

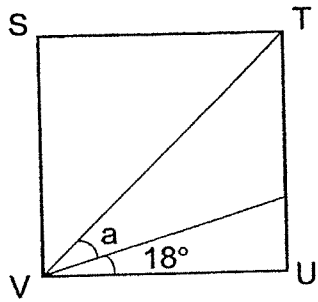
(2)  $\angle STU$

(3)  $\angle SRU$

(4)  $\angle TUS$  ( )

---

11. In the figure below, STUV is a square. Find  $\angle a$ .



- (1)  $27^\circ$
- (2)  $54^\circ$
- (3)  $63^\circ$
- (4)  $72^\circ$

( )

12. In the square grid below, which of the following figures is symmetrical?

(1)

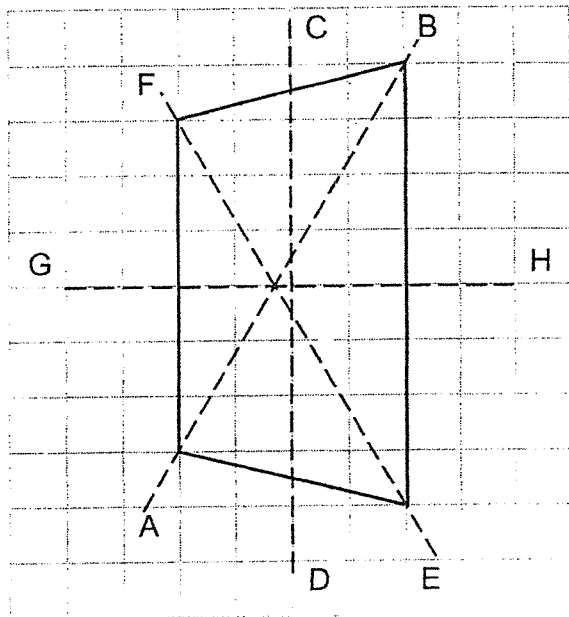
(2)

(3)

(4)

( )

13. In the following figure, which of the dotted lines is a line of symmetry?



- (1) Line AB  
(2) Line CD  
(3) Line EF  
(4) Line GH ( )

- 
14. The product of 5 and a number is 4380. What is the number?

- (1) 865  
(2) 876  
(3) 21 900  
(4) 21 906 ( )

- 
15. Every week, Ethan saves \$3 and his sister saves \$2 more than him. How many weeks will they take to save a total of \$1680?

- (1) 210  
(2) 240  
(3) 336  
(4) 560 ( )

16. There are 2 light bulbs A and B that blink at different timings. Light bulb A and light bulb B blink every 3 minutes and 7 minutes respectively. The light bulbs are switched on at 11 a.m. At what time will both light bulbs blink at the same time?

(1) 11.03 a.m.

(2) 11.07 a.m.

(3) 11.10 a.m.

(4) 11.21 a.m.

( )

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17. A baker baked some tarts and packed them into boxes of 9 tarts. After packing 2853 boxes, there were 6 tarts left unpacked. How many tarts did the baker bake?

(1) 317

(2) 323

(3) 25 677

(4) 25 683

( )

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18. There are 186 rows of chairs in the school hall. Each row has 12 chairs. How many chairs are there altogether?

(1) 558

(2) 2122

(3) 2232

(4) 3906

( )

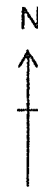
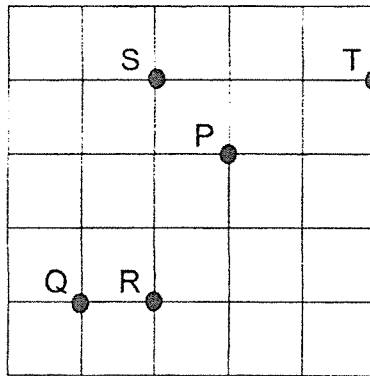
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19. I am a multiple of 7.  
One of my factors is 3.  
I am between 35 and 50.  
What number am I?

- (1) 39
- (2) 42
- (3) 45
- (4) 49

(       )

20. The following square grid shows the position of P, Q, R, S and T.  
Which letter is south-west of P?



- (1) Q
- (2) R
- (3) S
- (4) T

(       )

**END OF SECTION A**

**Section B**

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Questions 21 to 40 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. All diagrams are not drawn to scale. (40 marks)

21. Write thirteen thousand and eight in numerals.

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

22. What is the greatest 5-digit even number that can be formed using the digits 2, 1, 5, 8 and 9? Each digit can only be used once.

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

23. Write the missing number in the number pattern below.

73 645 , 72 645 , 71 645 , \_\_\_\_\_ ? \_\_\_\_\_ , 69 645 , 68 645

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

24. The number of people at a concert is 2800 when rounded to the nearest hundred. What is the largest possible number of people at the concert?

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

25. There was an equal number of tokens in Box A and Box B. After 8 tokens were removed from Box B and 8 tokens were added to Box A, there were 190 tokens in Box B. How many tokens were there altogether in the end?

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

26. Four of the factors of 45 are 1, 3, 5 and 45. List down two other factors of 45.

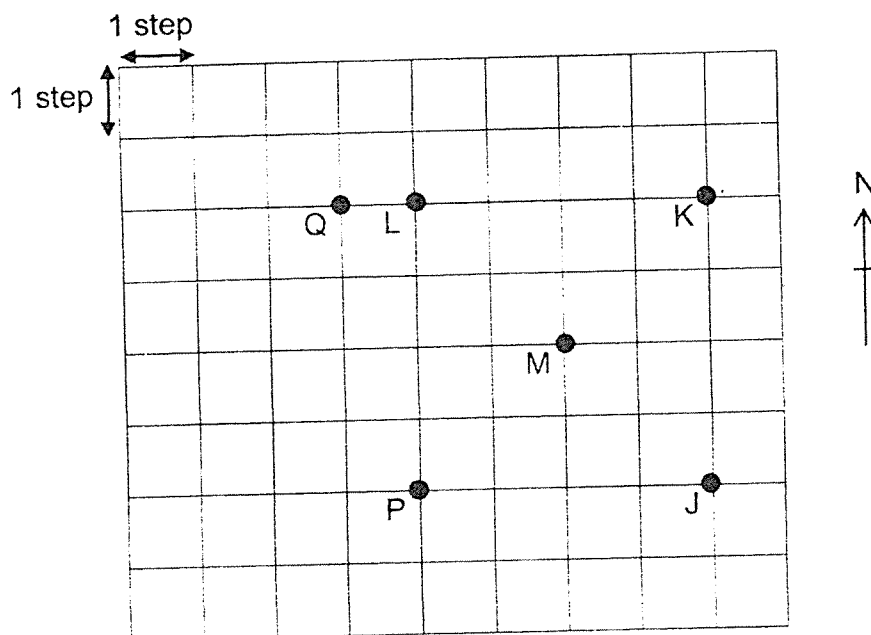
Ans: \_\_\_\_\_ and \_\_\_\_\_

27. Izekiel has 144 marbles and Alex has 86 marbles. How many marbles must Izekiel give Alex so that they will have the same number of marbles?

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

28. Look at the square grid below and answer the following question.

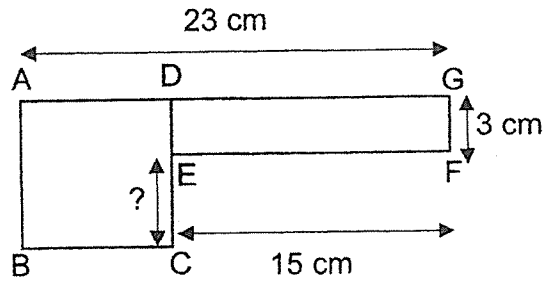


Tom was at one of the points shown in the square grid at first. Then he walked 3 steps to the east, 2 steps to the south and 1 step to the west. He ended up at Point M. What was his starting point?

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

29. The figure below is made up of a square ABCD and a rectangle DEFG. AG is 23 cm, GF is 3 cm and EF is 15 cm. Find the length of CE.

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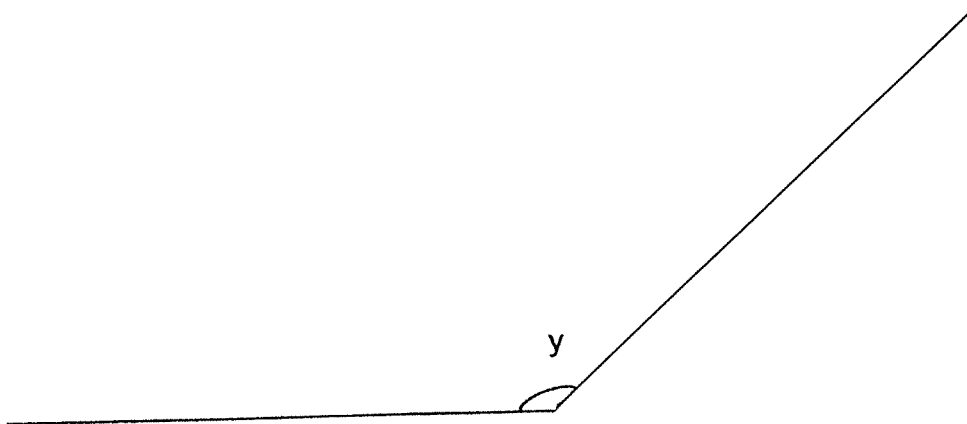
Ans: \_\_\_\_\_ cm

30. Joyce has 3080 beads. Rebekah has 3 times as many beads as Joyce. How many beads do Joyce and Rebekah have altogether?

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

31. Use a protractor to measure  $\angle y$ . Write the answer in the answer blank.

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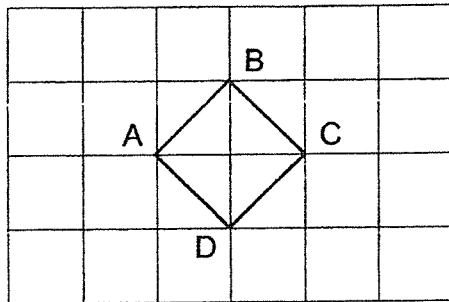
Ans: \_\_\_\_\_ °

32. 4 tables cost as much as 3 sofas. Each sofa cost \$2592. How much did each table cost?

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

33. Study the figure ABCD drawn in the square grid below.

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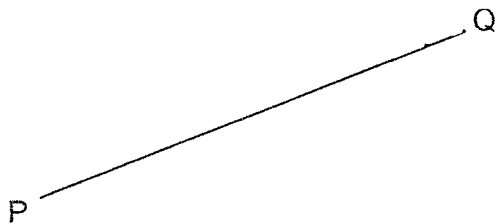


Each of the statements below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) to indicate your answer.

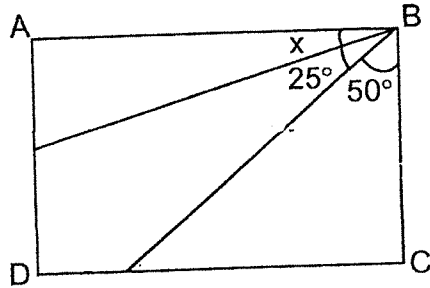
	Statement	True	False	Not possible to tell
a)	Figure ABCD has exactly one pair of parallel sides.			
b)	All of its angles in Figure ABCD are right angles.			



34. a) Draw an angle on the given line such that  $\angle PQR$  is  $25^\circ$ .  
b) Mark the angle that shows  $25^\circ$ .

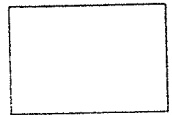


35. In the figure below, ABCD is a rectangle. Find  $\angle x$ .

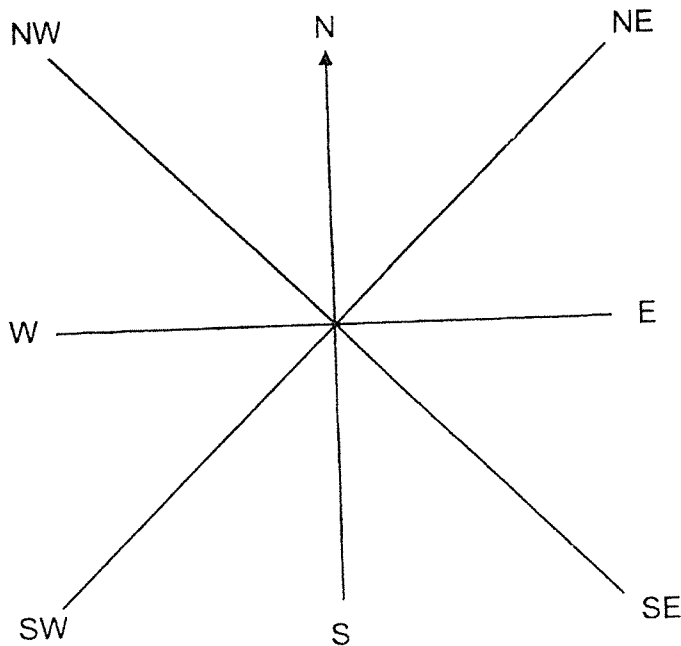


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Ans: \_\_\_\_\_ °



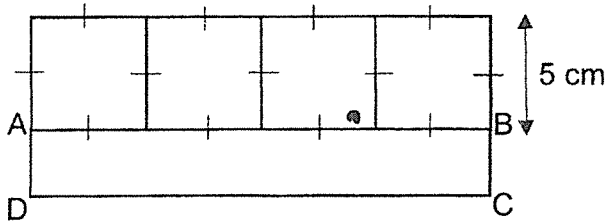
36. The figure shows an 8-point compass. Thaddeus was facing the north-west (NW) at first. He then turned  $135^\circ$  anti-clockwise. Which direction does he face now?



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



37. The figure below shows 4 identical squares and a rectangle ABCD. One side of the square is 5 cm. Find the length of DC.



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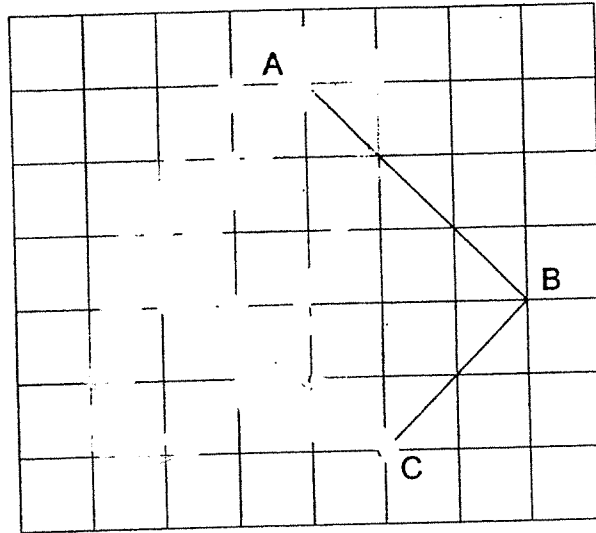
Ans: \_\_\_\_\_ cm

38. Mrs Tong paid \$1044 for 2 pairs of shoes and 2 dresses. Each pair of shoes cost twice as much as a dress. How much did each dress cost?

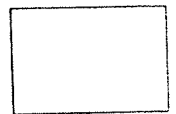
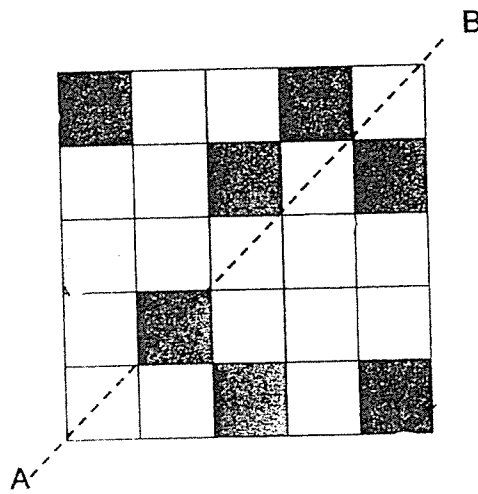
Ans: \$ \_\_\_\_\_

39. In the square grid below, draw a rectangle ABCD from the given lines.

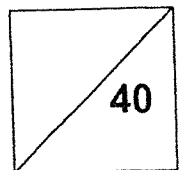
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40. The figure below is made up of identical squares. Line AB is the line of symmetry. Shade two more squares to make the figure symmetric.



Total marks for question 21 to 40



END OF SECTION B

**Section C**

For Questions 41 to 45, 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 are not drawn to scale.  
(20 marks)

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41. Amy, Eileen and Sarah shared 1975 beads. Amy had 86 fewer beads than Eileen and 104 fewer beads than Sarah. How many beads did Amy have?

Ans: \_\_\_\_\_ [4]

42. Mr Rai has \$589 to buy some bottles for his pupils.

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- a) Each bottle costs \$6. What is the greatest number of bottles Mr Rai can buy?
- b) What is the total amount of money he would have to pay?

Ans: (a) \_\_\_\_\_ [2]

(b) \_\_\_\_\_ [2]

43. Mrs Chan bought a bag and 5 similar shirts. The bag cost \$272 more than the 5 shirts. She gave the cashier \$1200 and received \$48 change. How much did each shirt cost?

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Ans: \_\_\_\_\_ [4]

44. Martin, Kelvin and Ahmad have 120 candies. Ahmad has 6 more candies than Martin. Kelvin has thrice the total amount of candies that Martin and Ahmad have. How many candies does Martin have?

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Ans: \_\_\_\_\_ [4]

45. Joanne had 569 red, white and green cubes altogether. She had 4 times as many green cubes as white cubes. There were 34 fewer red cubes than green cubes. How many green cubes did Joanne have?

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Ans: \_\_\_\_\_ [4]

END OF PAPER



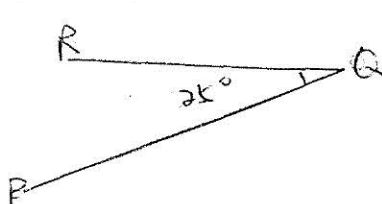
## ANSWER KEY

YEAR : 2021  
 LEVEL : Primary 4  
 SCHOOL : Catholic High School  
 SUBJECT : MATHEMATICS  
 TERM : Mid-Year Examination

### Section A (PAPER 1)

Q1	4	Q2	3	Q3	2	Q4	3	Q5	4
Q6	2	Q7	1	Q8	2	Q9	3	Q10	2
Q11	1	Q12	3	Q13	4	Q14	2	Q15	1
Q16	4	Q17	4	Q18	3	Q19	2	Q20	1

### BOOKLET B (PAPER 1)

Q21	13008	Q22	98512
Q23	$71645 - 1000 = 70645$	Q24	2849
Q25	$190 + 8 + 8 = 206$ $206 + 190 = 396$	Q26	9 and 15
Q27	$144 - 86 = 58$ $58 \div 2 = 29$	Q28	Point L
Q29	$23 - 15 = 8$ $8 - 3 = 5$	Q30	$3080 \times 4 = 12320$
Q31	$136^\circ$	Q32	$2592 \times 3 = 7776$ $7776 \div 4 = 1944$
Q33	(a) False (b) True	Q34	(a) and (b) 
Q35	$50 + 25 = 75$ $90 - 75 = 15$	Q36	South
Q37	$5 \times 4 = 20$	Q38	$1044 \div 6 = 174$

<b>Q39</b>		<b>Q40</b>
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**PAPER 2**

<b>Q41</b>	$86+104=190$ $1975-190=1785$ $1785 \div 3 = 595$	<b>Q42</b> (a) $589 \div 6 = 98R1$ Ans : 98 (b) $98 \times 6 = \$588$
<b>Q43</b>	$1200-48=1152$ $1152-272=880$ $880 \div 10 = \$88$	<b>Q44</b> $6 \times 4 = 24$ $120-24=96$ $96 \div 8 = 12$
<b>Q45</b>	$569+34=603$ $603 \div 9 = 67$ $67 \times 4 = 268$	

2  
 2-1-17