METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2015
PRIMARY 4 MATHEMATICS
BOOKLET A

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4. _____

Date: 12 May 2015

/36

This booklet consists of 8 printed pages including this page.

Section A: MCQ (36 marks)

Questions 1 to 18 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 correct oval (1, 2, 3 or 4) on the Optical Answer Sheet.

1. Twenty-three thousand, six hundred and seven written in figures is _____.

(1) 2 367
(2) 23 067
(3) 23 607
(4) 23 670

2. In which of the following numbers is the digit 5 in the thousands place?

(1) 23 580
(2) 23 850
(3) 23 805
(4) 25 380

3. Look at the number pattern below. What is the missing number?

54 200, 55 700, 57 200, _____, 60 200.

(1) 57 700
(2) 58 200
(3) 58 700
(4) 59 000

4. When a number is divided by 5, it has a remainder of 4. The number is a factor of 42. What is the number?

(1) 7
(2) 14
(3) 21
(4) 24

5. Mrs Lim's age is the fourth multiple of 9. Mrs Lim's age is 3 times her daughter's age. How old is her daughter?

(1) 36
(2) 27
(3) 15
(4) 12

(Go on to the next page)

6. The common factor of two numbers is 8. What are the numbers?

(1) 4 and 8
(2) 20 and 32
(3) 34 and 40
(4) 48 and 64

7. Siti had 320 stickers. When she arranged them equally onto 7 pages of an album, she did not have enough space for some stickers. How many stickers were not in the album?

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

8. A number when rounded off to the nearest hundred is 1800. What is the largest possible number?

(1) 1769
(2) 1799
(3) 1849
(4) 1869

9 The table below shows incomplete information of pupils from 3 classes who are in the chess club.

Class	Number of pupils
Primary 4A	
Primary 4B	18
Primary 4C	8
Total	40

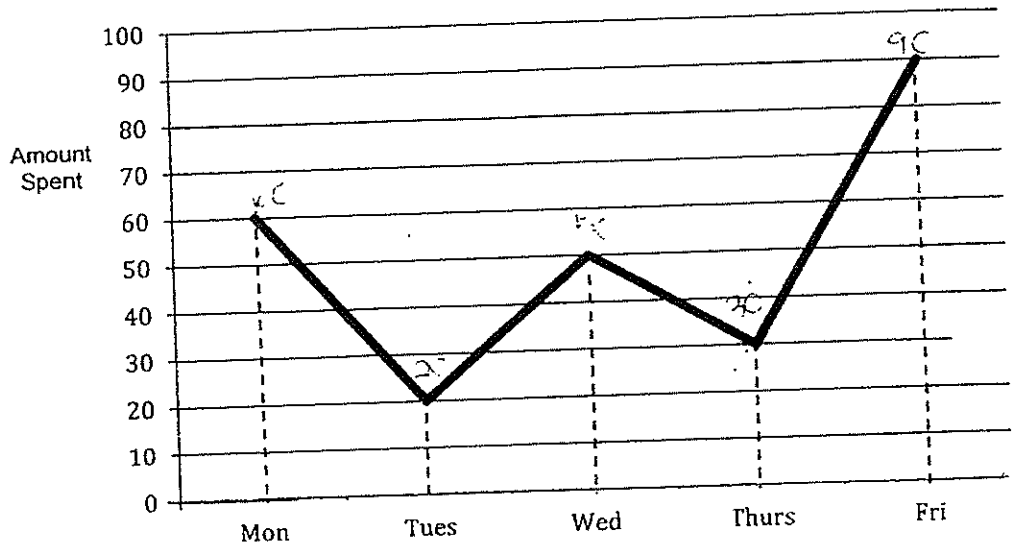
How many more pupils in Primary 4A than Primary 4C are in the chess club?

(1) 24
(2) 14
(3) 10
(4) 6

(Go on to the next page)

Use the information below to answer Questions 10 and 11.

Sally received $250 from her father in a certain week.
The line graph below shows the amount she spent from Monday to Friday.



10. On which day did Sally spend twice as much as Thursday?

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

11. How many days did Sally spend more than $\frac{1}{5}$ of her pocket money?

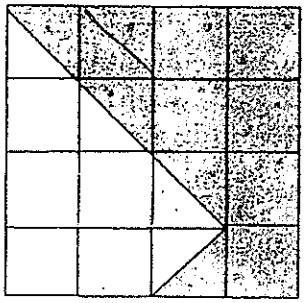
(1) 1
(2) 2
(3) 3
(4) 4

(Go on to the next page)

12. How many quarters are there in $2\frac{3}{4}$?

(1) 8
(2) 10
(3) 11
(4) 23

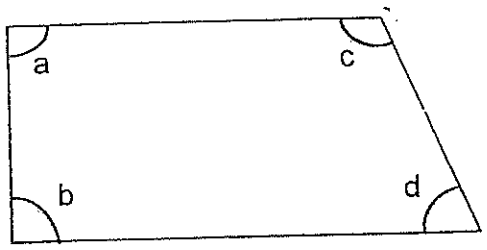
13. What fraction of the figure below is **shaded**?



(1) $\frac{1}{2}$
(2) $\frac{7}{9}$
(3) $\frac{9}{7}$
(4) $\frac{9}{16}$

(Go on to the next page)

14. In the figure below, which angle is smaller than a right angle?



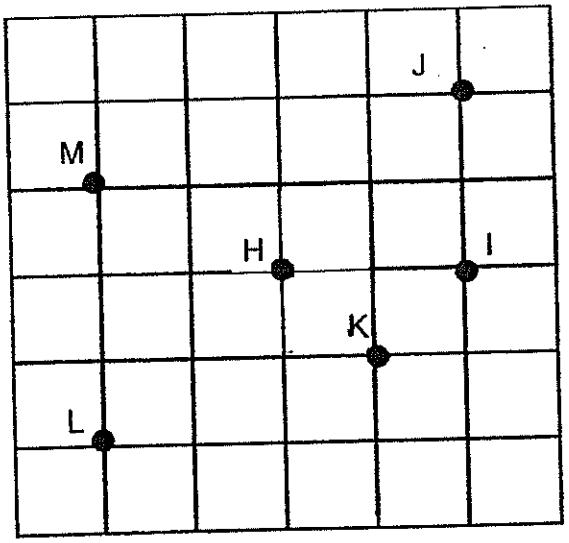
(1) ∠a

(2) ∠b

(3) ∠c

(4) ∠d

15. The following grid shows the position of H, I, J, K, L and M..
Which letter is South-East of H?



(1) I

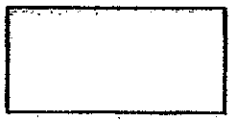
(2) J

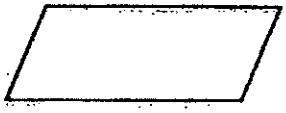
(3) K

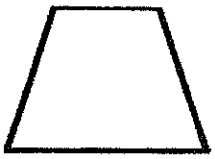
(4) L

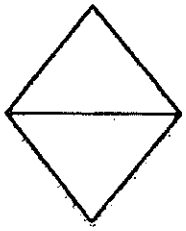
(Go on to the next page)

16. Which one of the following figures contains only 1 pair of parallel lines?

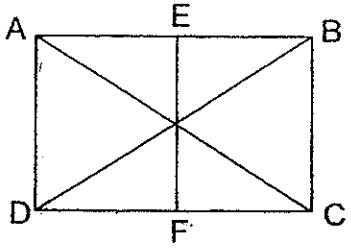
(1) 

(2) 

(3) 

(4) 

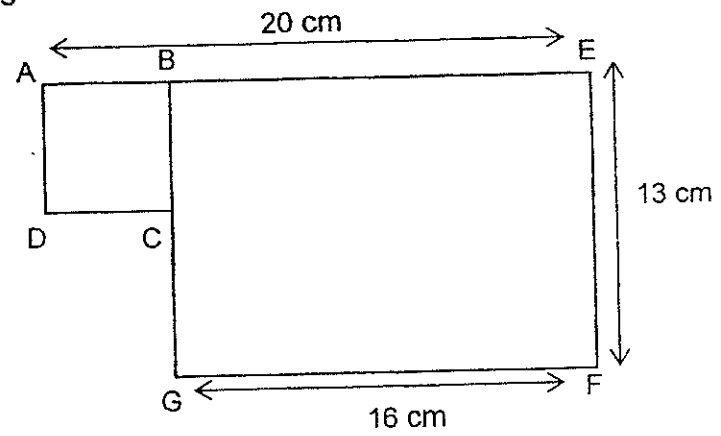
17. Which one of the following lines is perpendicular to AD?



(1) EF
(2) DC
(3) BC
(4) AC

(Go on to the next page)

18. In the figure below, ABCD is a square and BEFG is a rectangle. Find the length of CG.



(1) 9 cm
(2) 7 cm
(3) 3 cm
(4) 4 cm

End of Booklet A

METHODIST GIRLS' SCHOOL (PRIMARY)

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PRIMARY 4 MATHEMATICS
BOOKLET B

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date: 12 May 2015

Parent's Signature: _____

BOOKLET A	36
BOOKLET B	36
BOOKLET C	28
TOTAL	100

This booklet consists of 9 printed pages including this page.

Section B: (36 marks)
Questions 19 to 36 carry 2 marks each.
Write out the correct answers for the following questions in the space provided. Show your working clearly and give your answers in the units provided.

19. Write 96 041 in words.

_____

20. Look at the numbers below

7	1	8	2	6

Use the digits from above to form the greatest 5-digit even number?

Ans: _____

21. What is the sum of second and fifth multiples of 8?

Ans: _____

22. List all factors of 18.

Ans: _____

(Go on to the next page)

23. If △ + △ = 50,

Then △ + △ + △ + △ + △ = ☆

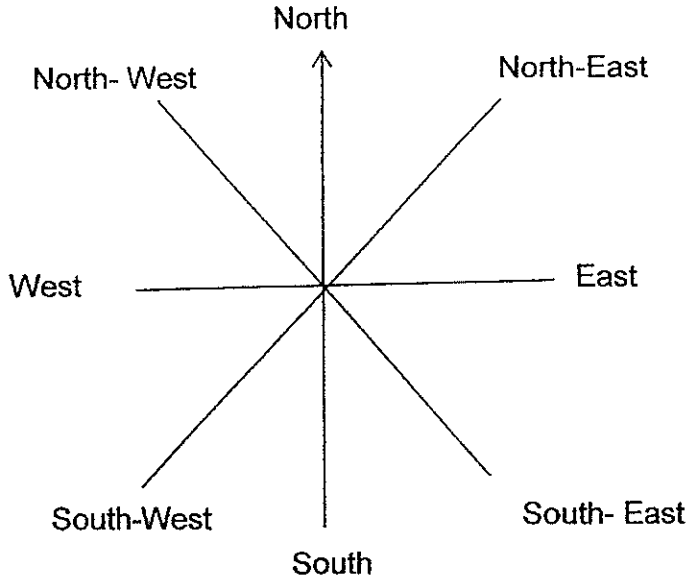
What is ☆ ?

Ans: _____

24. Use the 8-point compass shown below to answer the following questions.

(a) John was facing North. He made a $\frac{3}{4}$ - turn to his left. Which direction was he facing?

(b) Peter was facing South after turning 225° anti-clockwise. Which direction was Peter facing at first?

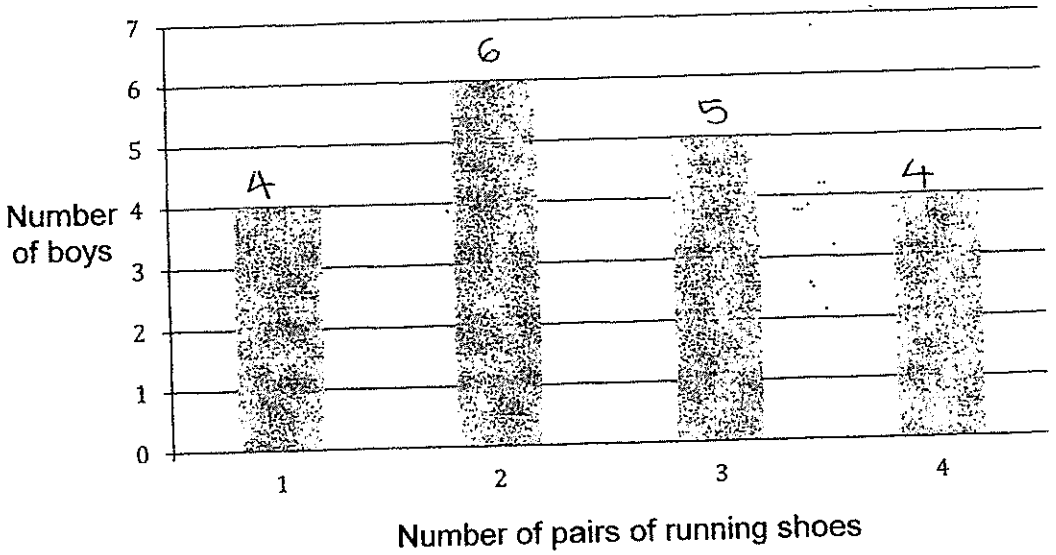


Ans: (a) _____

(b) _____

(Go on to the next page)

A group of boys participated in a survey. Each boy was asked how many pairs of running shoes he has. The bar graph below shows the results of the survey. Study the graph carefully and use it to answer Questions 25 to 27.



25. How many boys participated in the survey?

Ans: _____

26. How many boys have more than 2 pairs of running shoes?

Ans: _____

27. What fraction of the boys have 4 pairs of running shoes?

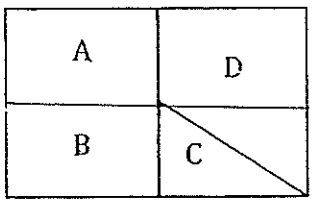
Ans: _____

(Go on to the next page)

28. Jane has 48 beads. 18 beads are red and 16 are yellow. The rest of them are orange. What fraction of the beads is orange? Give your answer in its simplest form.

Ans: _____

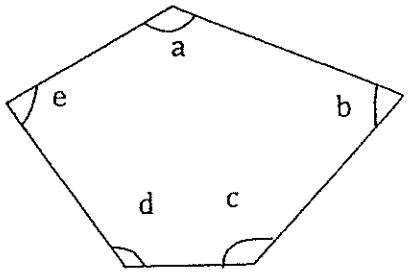
29. A rectangle is divided into 4 parts, A, B, C and D. A and B are identical. C and D form half of the rectangle. What fraction of the rectangle is C?



Ans: _____

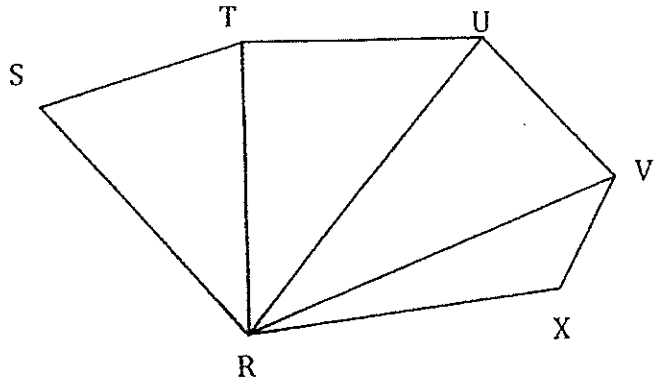
(Go on to the next page)

30 In the figure below, name two angles that are greater than 90°.



Ans: _____

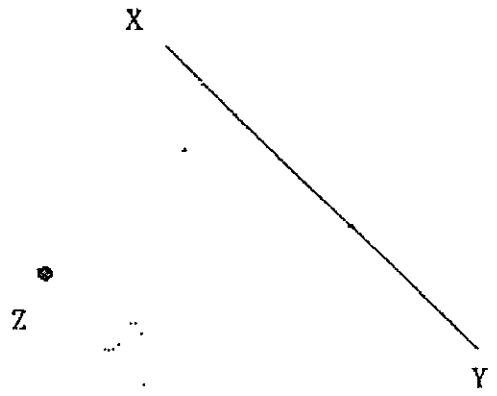
31. In the figure below, which two lines are perpendicular?



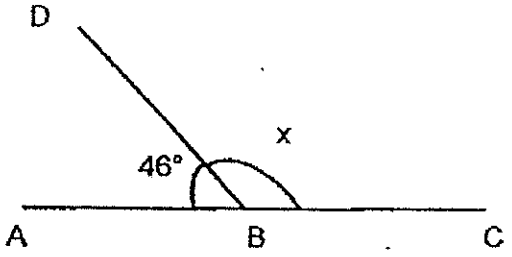
Ans : _____

(Go on to the next page)

32. Draw a line parallel to Line XY and passing through the point Z.



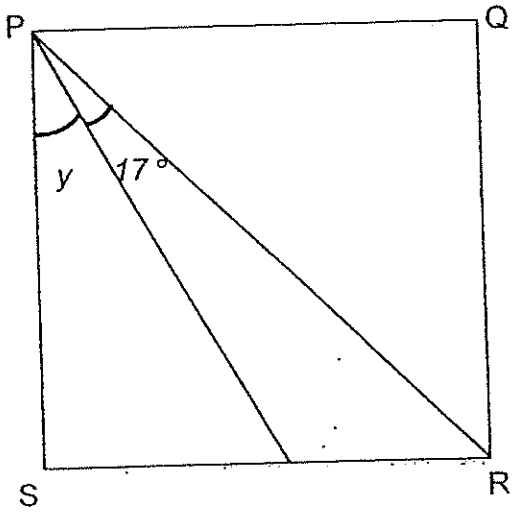
33. ABC is a straight line. Given that $\angle ABD = 46°$, find $\angle x$.



Ans : _____

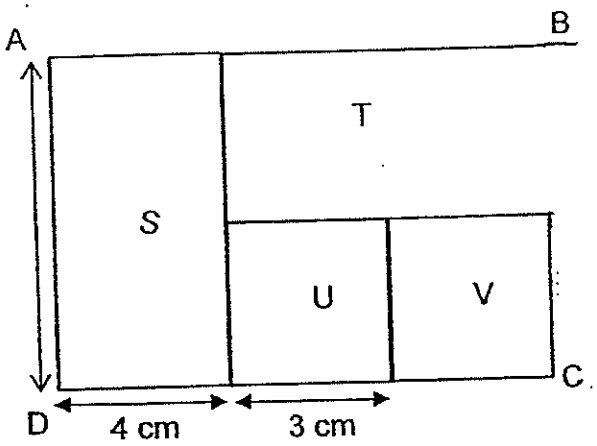
(Go on to the next page)

34. In the figure below, PQRS is a square. Find the value of $\angle y$.



Ans: _____ °

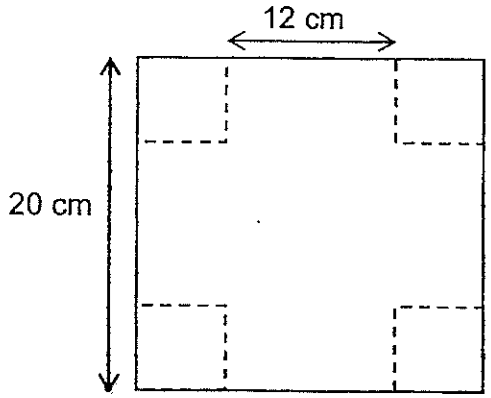
35. The figure shown below is made up of 2 identical rectangles S,T and two identical squares U,V. The side of the square U is 3 cm and the breadth of the rectangle S is 4 cm. Find the length of AD.



Ans: _____ cm

(Go on to the next page)

36. The figure below is a big square of side 20 cm. Four small squares are cut out from the four corners of the big square. The length of the remaining side is 12 cm. Find the length of the side of the small square.



Ans : _____ cm

End of Booklet B

METHODIST GIRLS' SCHOOL (PRIMARY)

Founded in 1887

MID-YEAR EXAMINATION 2015
PRIMARY 4 MATHEMATICS
BOOKLET C

Booklets A, B and C: 1 h 45 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.

Name: _____ ( )

Class: Primary 4._____

Date: 12 May 2015

28

This booklet consists of 9 printed pages including this page.

Section C: (28marks)

Show your working clearly in the space provided for each question and write your answers in the space provided.
The number of marks available is shown in brackets [ ] at the end of each question or part-question.

37. Mr Sim had 2400 pears. 15 pears were rotten. He threw the rotten pears away and packed the remaining equally into 9 boxes. How many pears were there in each box?

Ans: _____ [3]

(Go on to the next page)

38. Mrs Lee had $2175. She gave $1200 to her husband and the rest to her 3 sons and a daughter. Her daughter received twice as much as each of her sons. How much did her daughter receive?

Ans: _____ [3]

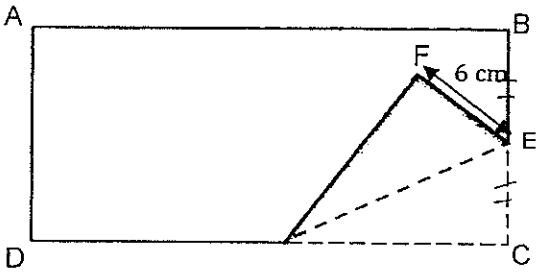
(Go on to the next page)

39. Mrs Wong bought $\frac{4}{5}$ kg of fish at a stall. She bought $\frac{3}{10}$ kg of fish more than Mrs Gopal. How many kilograms of fish did both of them buy altogether? Give your answer as a mixed number in its simplest form.

Ans: _____ [3]

(Go on to the next page)

40. A piece of wire of length 70 cm is folded into the shape of a rectangle ABCD. It is then folded at a corner as shown below. BE = EC, EF = 6 . What is the length of AB?



Ans : _____ [3]

(Go on to the next page)

41. There were 3 times as many boys as girls in the school hall at first. After 12 boys left and 8 girls entered hall, there were 4 more boys than girls remaining in the hall. What was the number of boys in the hall at first?

Ans _____ [4]

(Go on to the next page)

42. Ms Tan has some marbles in a bag. The number of marbles is less than 50. If she gives 8 marbles to each pupil, she will have none left.
If she gives 9 marbles to each pupil, she will need 4 more marbles.

(a) How many marbles are there in the bag?

(b) How many pupils does Ms Tan have?

Ans: (a) _____ [2]

Ans: (b) _____ [2]

(Go on to the next page)

43. Siti had 3 m of cloth. She used $\frac{3}{4}$ m of the cloth to make a bag and $\frac{7}{12}$ m of the cloth to make a pillow.

(a) How much cloth did she use to make the bag and pillow?
(Give your answer in its simplest form)

(b) What was the length of the cloth that Siti had left?

Ans: (a) _____ [2]

(b) _____ [2]

(Go on to the next page)

44. Mr Ahmad had 234 apples. He sold $\frac{5}{9}$ of them and the rest were shared equally among his 4 friends.

(a) What fraction of the apples did his friends receive?

(b) How many apples did each friend get?

Ans: (a) _____ [1]

(b) _____ [3]

End of Booklet C

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : METHODIST GIRLS SCHOOL
SUBJECT : MATHEMATICS
TERM : SA1

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

Q19. Ninety – six thousand and forty – one

Q20. 87612 Q21. 56 Q22. 1 , 2, 3 , 6, 9 , 18

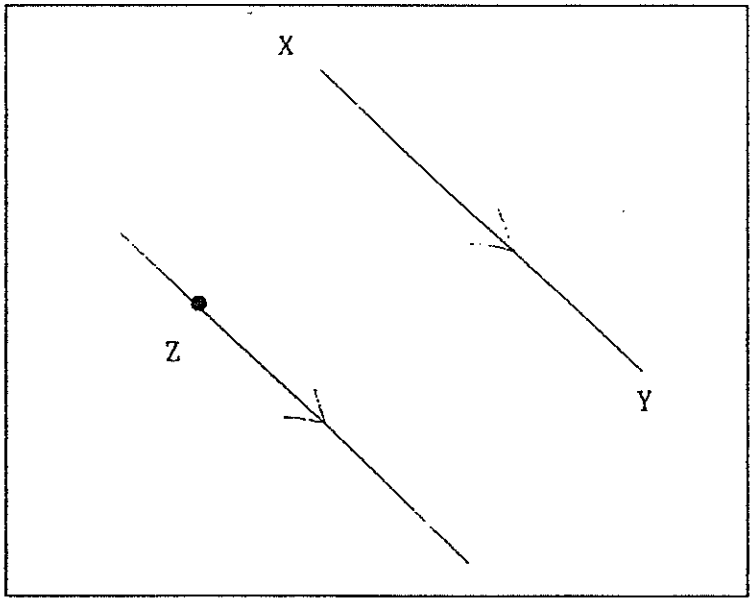
Q23. 125 Q24a. east Q24b. North East

Q25. 19 Q26. 9 Q27 $\frac{4}{19}$

Q28. $\frac{7}{24}$ total 48, Red 18, Yellow 16, Orange 14, $\frac{14}{48} \div 2 = \frac{7}{24}$

Q29. ⅛ Q30. $\angle d, \angle c$ Q31. UT ⊥ TR

Q32. **SEE PICTURE** Q33. 124° Q34. 28° 45 + 17 = 62, 90 – 62 = 17



Q35. 7cm Q36. 4cm 2 squares 8cm, 1 square 4cm

Q37. 265 2400 – 15 = 2385, 2385 ÷ 9 = 265

Q38. $390 2175 – 1200= 975, 975 ÷ 5u = 195, 195 x 2u = 390

Q39. $1\frac{3}{10}$

⅘ x 2 = $\frac{8}{10}$

$\frac{8}{10} - \frac{3}{10} = \frac{5}{10}$ (Mrs Gopal)

$\frac{5}{10} + \frac{8}{10} = \frac{13}{10}$

$\frac{13}{10} = 1\frac{3}{10}$

Q40. 23cm 12 x 2 = 24, 70 – 24 = 36, 46÷2=23

Q41. 36 boys 12 + 4 = 16, 16 + 8 = 24, 24 2u, 12 1u, 12 x 3 = 36

Q42a. 32 Q42b. 4

Q43a. $\frac{4}{3}m$ $\frac{3}{4}$ x 3 = $\frac{9}{12}$, $\frac{9}{12} + \frac{7}{12} = \frac{16}{12}$, $\frac{16}{12} = \frac{4}{3}$

Q43b. 1⅔m $2\frac{12}{12} - \frac{16}{12} = 2\frac{12}{12} - 1\frac{4}{12} = 1\frac{8}{12} = 1⅔$

Q44a. $\frac{4}{9}\frac{9}{9} - \frac{5}{9} = \frac{4}{9}$ Q44b. 26 apples 234 ÷9 = 26

THE END