HENRY PARK PRIMARY SCHOOL
2015 SEMESTRAL EXAMINATION 1
MATHEMATICS
PRIMARY 4

Name: _____ ( ) Parent's Signature

Class: Primary 4_____ _____

Duration of Paper: 1 h 45 min

Marks:

Section A (MCQ)	
Section B (Open-Ended)	
Section C (Problem Sums)	
Total	

Section A: Multiple Choice Questions (10 x 2 marks = 20 marks)
Read each question carefully. For each question, 4 options are given.
One of them is the correct answer. Make your choice (1, 2, 3 or 4).
Shade the correct ovals on the Optical Answer Sheet.

1. 7 thousands, 34 hundreds and 35 ones is the same as _____

(1) 7069
(2) 7375
(3) 10 435 ( )
(4) 10 750

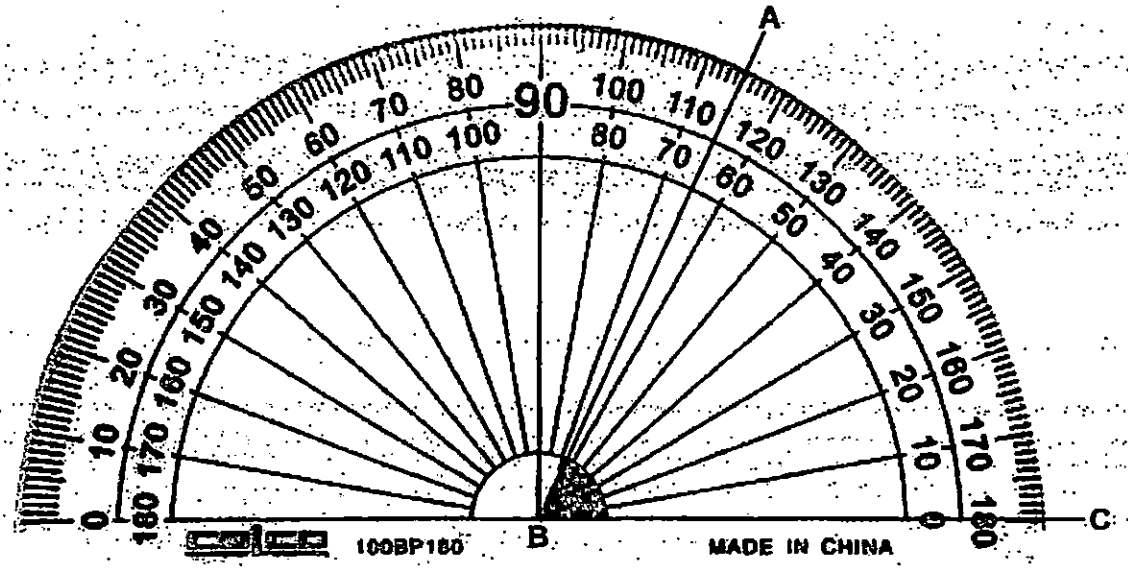
2. How many quarters are there in 8 wholes?

(1) 32
(2) 16
(3) 8 ( )
(4) 4

3. How many seconds are there in 4 min 25 s?

(1) 265
(2) 275
(3) 425 ( )
(4) 490

4. What is the size of ∠ABC?



(1) 65°
(2) 75°
(3) 115° ( )
(4) 125°

5. I am facing North now. After I turn 270° anti-clockwise, which direction will I be facing?

(1) East
(2) North
(3) South ( )
(4) West

6. Study the figures below. Identify the figure that has a pair(s) of perpendicular lines and a pair of parallel lines.

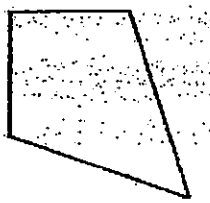


Figure 1

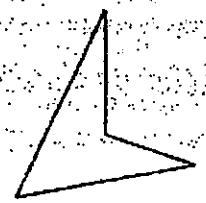


Figure 2

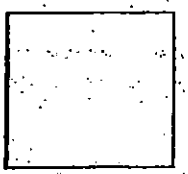
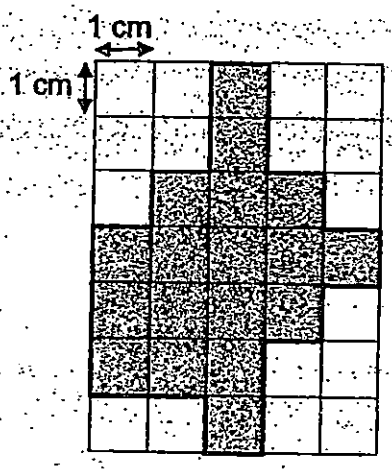


Figure 3

Figure 4

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

7. Given that each shaded square is 1 cm^2, find the area of the shaded figure shown below.



(1) 17 cm^2
(2) 18 cm^2
(3) 22 cm^2
(4) 24 cm^2

( )

8. A number when rounded off to the nearest ten is 35 400. Which of the following could be the number?

(1) 35 359
(2) 35 395
(3) 35 444
(4) 35 456

( )

9. A shopkeeper has 134 boxes of pencils. Each box contains 12 pencils. How many pencils does the shopkeeper have altogether?

(1) 392
(2) 402
(3) 1508 ( )
(4) 1608

10. Adam, Bala and Chong Meng shared a pie for lunch.
Bala ate $\frac{2}{3}$ of the pie and Chong Meng ate $\frac{1}{12}$ of the pie.
What fraction of the pie did Adam eat?

(1) $\frac{1}{4}$
(2) $\frac{1}{3}$
(3) $\frac{3}{4}$ ( )
(4) $\frac{11}{12}$

(Go on to Section B)

NAME: _____ ( ) CLASS: Primary 4 _____

Section B: Open-Ended Questions (25 x 2 marks = 50 marks)
Read the questions carefully and write the correct answer in the blanks provided.
Show all working clearly.

11. Find the value of $\frac{3}{8} + \frac{3}{4}$.

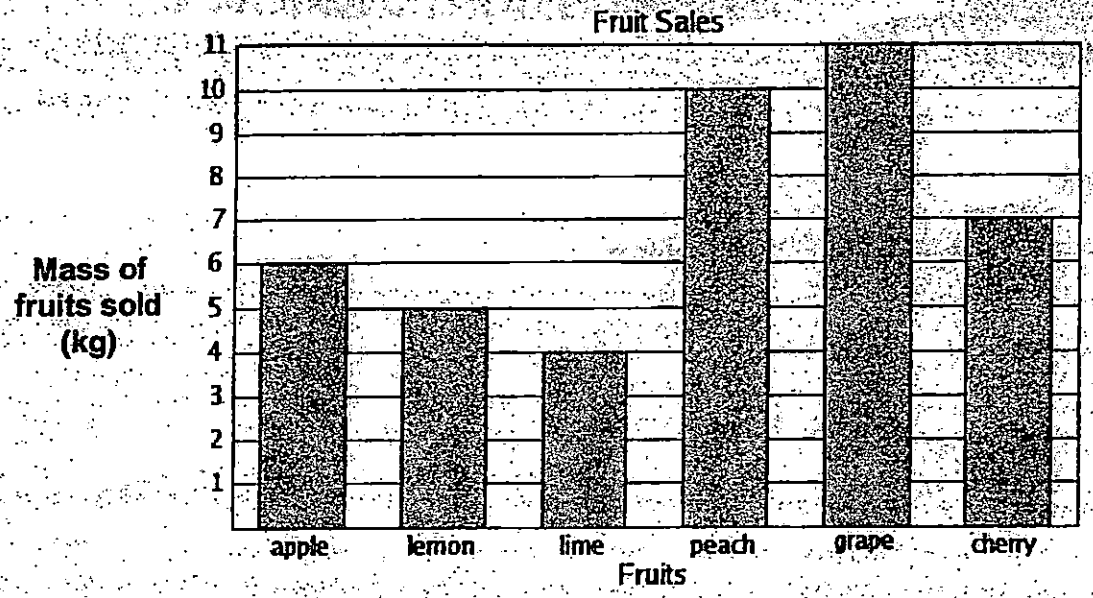
Give your answer as a mixed number in the simplest form.

Ans: _____

12. Express $3\frac{5}{12}$ as an improper fraction.

Ans: _____

The bar graph below shows the mass of fruits sold. Use the information to answer Q13 and Q14.



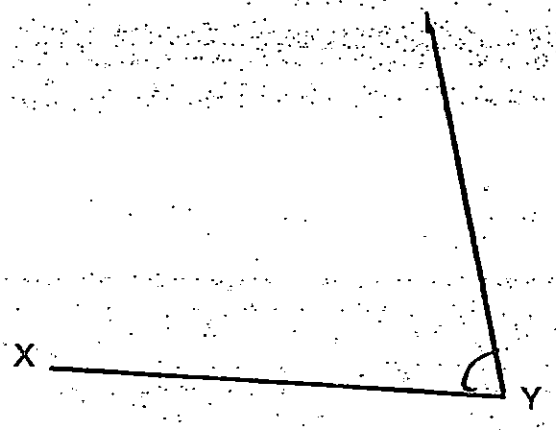
13. Find the total mass of apples, cherries, lemons and grapes sold.

Ans: _____ kg

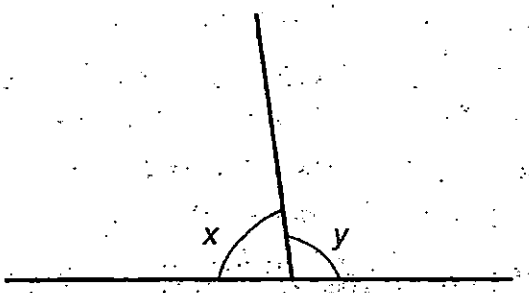
14. How many more kilogrammes of peach than lime were sold?

Ans: _____ kg

15. Complete the figure below to show that ∠XYZ measures 75 °. The line XY has been drawn for you. Label the line and mark the angle.

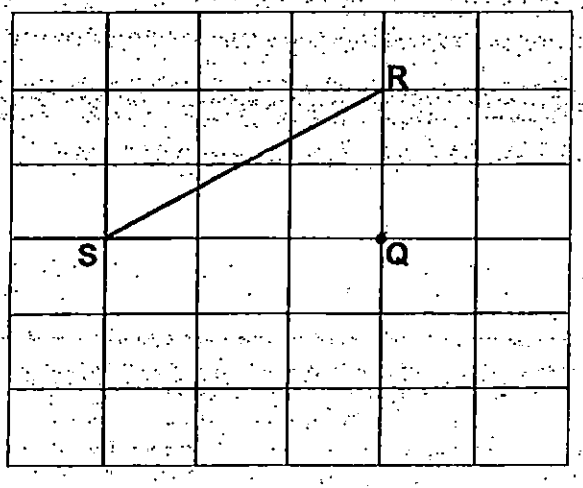


16. In the figure below, which angle is **greater than** a right angle?

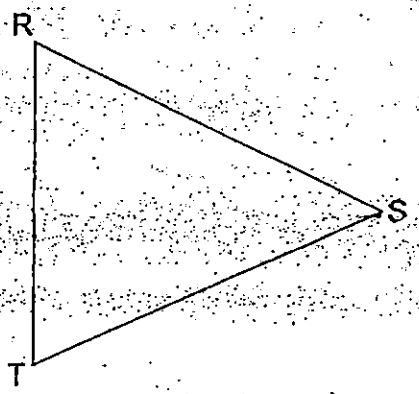


Ans: ∠_____

17. Draw a line parallel to SR, passing through point Q.



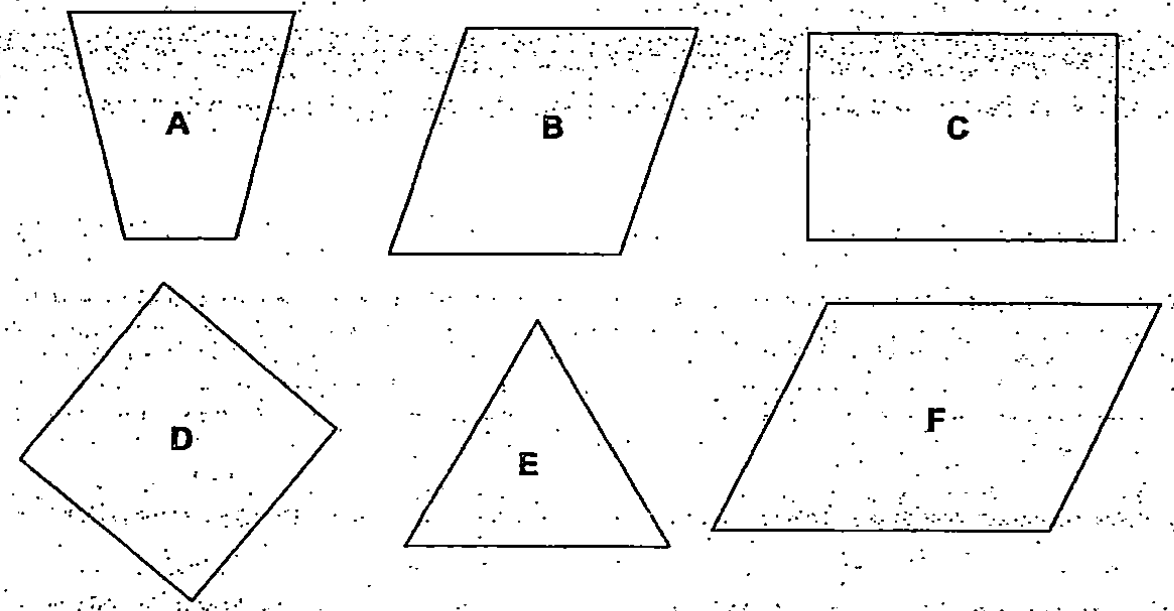
18. In the figure below, draw a line QS such that it is perpendicular to RT.



19. Look at the shapes given below.

a) Which is a square?

b) Which is a rectangle?

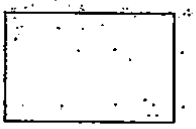


Ans: (a) _____

(b) _____

20. Find the sum of all the common factors of 18 and 12.

Ans: _____



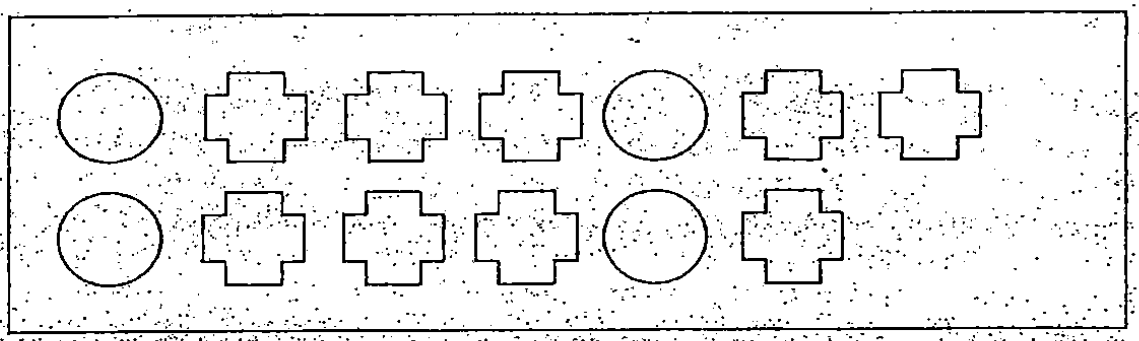
21. Hui Ying had baked some cupcakes. She ate 3 of the cupcakes and packed the rest equally into 6 boxes. There were 17 cupcakes in each box. How many cupcakes did Hui Ying bake?

Ans: _____

22. A bag of sweets weighs $\frac{3}{5}$ kg. What is the total mass of 4 such bags of sweets?

Ans: _____ kg

23. How many more ◯ need to be included such that $\frac{3}{5}$ of the shapes in the box are ✚ ?



Ans: _____

24. Peter boarded a bus to go to the library at 12.35 p.m. The bus journey took 45 min. What time did Peter reach the library?
(Express your answer in the 24-hour clock.)

Ans: _____

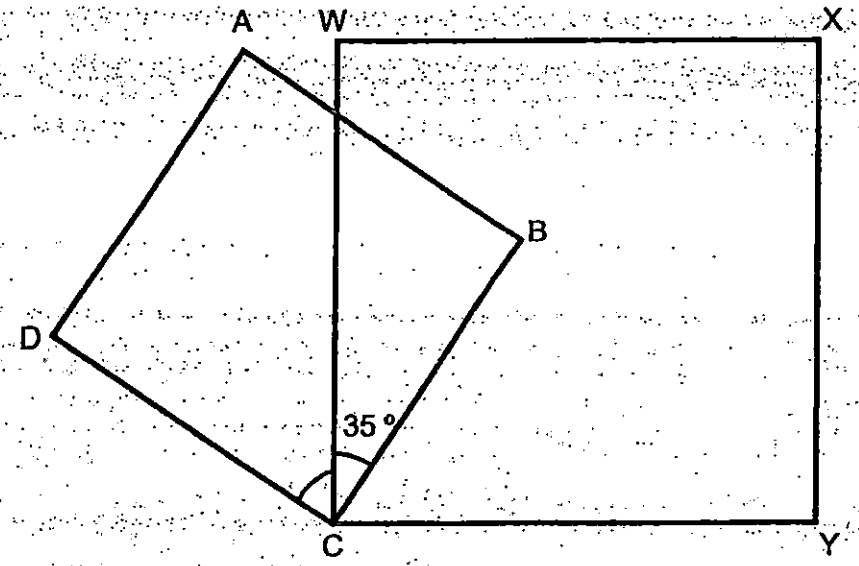
25. The table below shows the distance Mr Lim jogged each day over a period of 4 days. The distance Mr Lim jogged follows a pattern.

Day	1	2	3	4	5
Distance (m)	400	525	775	1150	?

Based on the pattern, what is the distance Mr Lim jogged on Day 5?

Ans: _____ m

26. In the figure below, ABCD and WXYC are squares.
Given ∠WCB is 35 °, find ∠DCW.

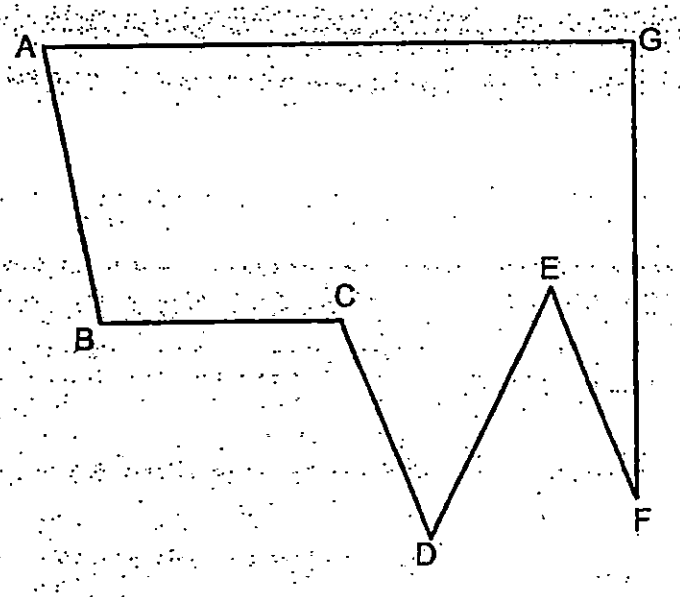


Ans: _____ °

27. Study the figure below and answer the questions.

(a) Which line is perpendicular to AG?

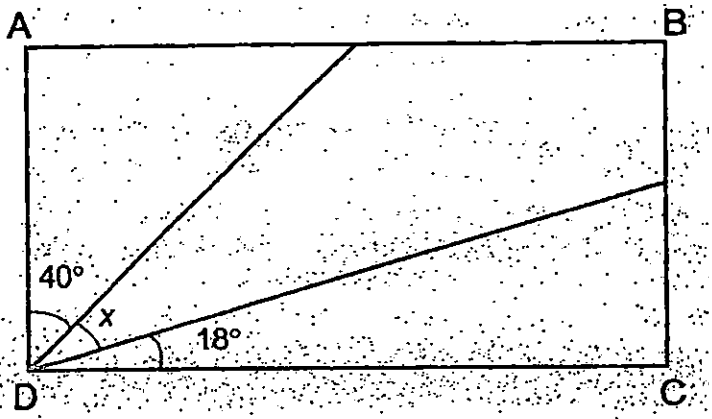
(b) Which line is parallel to CD?



Ans: (a) _____

(b) _____

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



Ans: _____ °

29. A rectangular field measures 186 m by 43 m. What is the perimeter of the field?

Ans: _____ m

30. Mrs Lee has some balloons. She can share all the balloons equally among 4, 6 or 8 children without any remainder. What is the least possible number of balloons Mrs Lee has?

Ans: _____

31. An odd number is a multiple of 3 and a factor of 45. The number is greater than 10 but less than 20. What is the number?

Ans: _____

32. The total age of Jane and her brother is 38 years now. 4 years ago, Jane was twice as old as her brother. How old is Jane's brother now?

Ans: _____ years old

33. Fatimah and Ravi had $3500 at first. After Fatimah spent $1556, Ravi had thrice as much money as Fatimah. How much money had Fatimah left?

Ans: $_____

34. Cheryl bought $1\frac{1}{4}$ kg of potatoes on Monday. She cooked $\frac{2}{5}$ kg of potatoes each day on Tuesday, Wednesday and Thursday. What is the mass of the potatoes left on Friday?

Ans: _____ kg

35. The area of a rectangle is twice the area of a square of side 6 cm. Given that the breadth of the rectangle is 8 cm, what is the length of the rectangle?

Ans: _____ cm

NAME: _____ CLASS: Primary 4 _____

Section C: Problem Sums (30 marks)

Read the problem sums carefully. 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.

36. A shopkeeper had 450 cartons of bottled mineral water. In each carton, there were 36 bottles of mineral water. He sold 35 cartons of mineral water, how many bottles of mineral water had the shopkeeper left?

Ans: _____ [3]

37 Mr Lim drove from Singapore to Malacca. He finally arrived at Malacca at 04 10 after driving for a total of 5 hours and 30 minutes. Given that Mr Lim took a 45-minute rest during his journey, find the time he started his journey from Singapore.

Ans: _____ [3]

38. Belle and Yan had 270 game tokens altogether. Yan had 30 game tokens fewer than Belle. Yan used $\frac{1}{4}$ of her game tokens at the arcade, how many game tokens did Yan have left?

Ans: _____ [4]

39. Harold has 346 lollipops and Fubbi has 712 lollipops. How many lollipops must Fubbi give to Harold so that Harold will have 56 more lollipops than Fubbi?

Ans: _____ [4]

40. Mrs Lim mixed $1\frac{1}{5}$ litres of syrup with $2\frac{1}{2}$ litres of water to make fruit punch for her party. Her guests drank $2\frac{3}{10}$ litres of the fruit punch during the party.

a) How much fruit punch did Mrs Lim make?

b) How much fruit punch was left after the party?

Express your answers in the simplest form.

Ans: (a)_____ [2]

(b)_____ [2]

41. A total of 460 children and adults went for a learning journey at the park. There were 80 more children than adults at the park. Given that the number of boys was 5 times the number of girls at the park, how many boys were at the park?

Ans: _____ [4]

42. Susan had a collection of 1910 red, blue and yellow beads. After Susan gave away 350 red beads, the number of red beads was 240 fewer than the number of blue beads. Given that the number of yellow beads was twice as many as the number of blue beads, how many red beads did Susan have at first?

Ans: _____ [4]

43. Jamie baked some pies. $\frac{1}{2}$ of them were chicken pies.

$\frac{3}{8}$ of them were beef pies and the rest were mushroom pies.

She baked 14 more beef pies than mushroom pies.

How many pies did she bake altogether?

Ans: _____ [4]

-END OF PAPER-

Setters: Mrs Emily Tang, Mr Philip Ho, Mrs Phyllis Voo & Mrs Chia Seow Wei

EXAM PAPER 2015
LEVEL : PRIMARY 4
SCHOOL : HENRY PARK PRIMARY SCHOOL
SUBJECT : MATHS
TERM : SA1

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
3	2	3	4	4	3	2	2	4	1

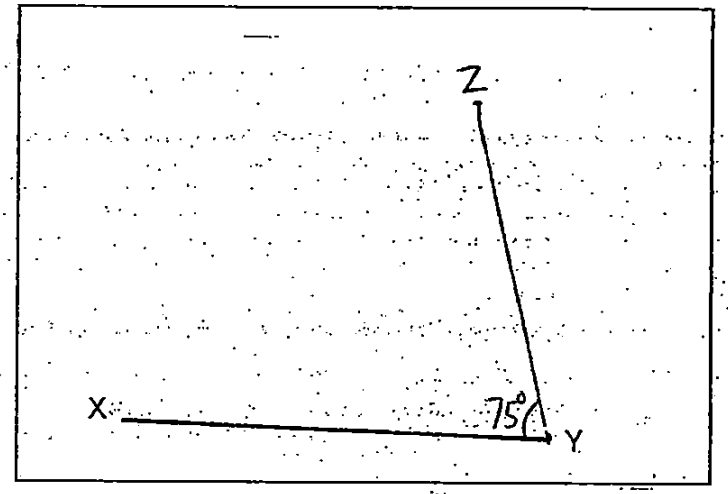
Q11. ANS : $1\frac{1}{8}$ ➔ $\frac{3}{8}+\frac{3}{4}=\frac{3}{8}+\frac{6}{8}=\frac{9}{8}=1\frac{1}{8}$

Q12. ANS : $\frac{41}{12}$ ➔ $3\frac{5}{12}=\frac{12}{12}+\frac{12}{12}+\frac{12}{12}+\frac{5}{12}=\frac{41}{12}$

Q13. ANS : 29kg ➔ 6 + 7 + 5 + 11 = 29

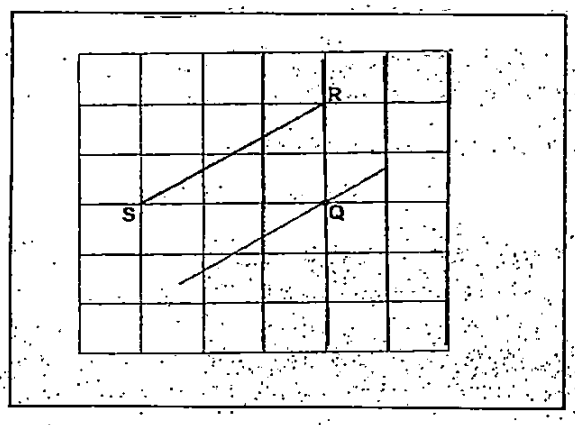
Q14. ANS : 6kg ➔ 10 – 4 = 6

Q15. ANS : SEE PICTURE

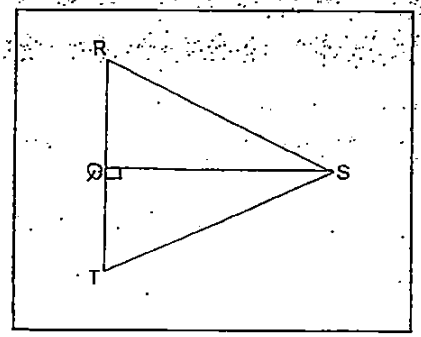


Q16. ANS : ∠ *Y*

Q17. ANS : SEE PICTURE



Q18. ANS : SEE PICTURE



Q19a. ANS : D Q19b. ANS : C

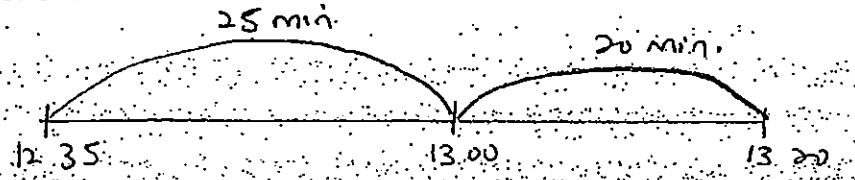
Q20. ANS : 12 → 1 + 2 +6 + 3 = 12

Q21. ANS : 105. → 17 x 6 = 102, 102 + 3 = 105

Q22. ANS : $2\frac{2}{3}$ kg → $\frac{2}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{12}{5} = 2\frac{2}{5}$

Q23. ANS : 2

Q24. ANS : 1320 → SEE PICTURE



Q25. ANS : 1650m → 375 – 250 = 125, 375 + 125= 500, 1150 + 500 = 1650

Q26. ANS : 55°

Q27a. ANS : GF Q27b. ANS : EF

Q28. ANS : 32°

Q29. ANS : 458m → 186 + 43 = 229 , 229 x 2 = 458

Q30. ANS : 24. → 4,8,12,16,20,24 ; 6,12,18,24; 8,16,24

Q31. ANS : 15 → 45,1,3,15,9

Q32. ANS : 14 → 30 ÷ 3 =10, 10 + 4 = 14

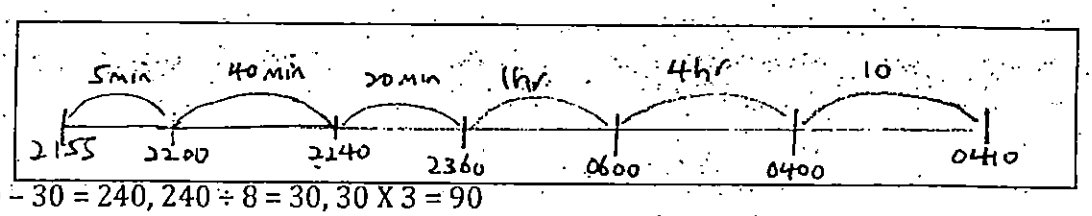
Q33. ANS : $486 → 3500 – 1556 = 1944

Q34. ANS : $\frac{1}{20}kg$ → $1\frac{1}{4} - \frac{2}{5} - \frac{2}{5} - \frac{2}{5} = 1\frac{5}{20} - \frac{8}{20} - \frac{8}{20} - \frac{8}{20} = \frac{1}{20}$

Q35. 9cm → 6 x 6 = 36 , 36 x 2 = 72, 72 ÷ 8 = 9

Q36. ANS : 14940 ; 450 – 35 = 415 ; 415 x 36 = 14940

Q37. ANS : 2155



Q38. ANS : 96. → 270 – 30 = 240, 240 ÷ 8 = 30, 30 X 3 = 90

Q39. ANS : 211 → 712 + 346 = 1058, 712 – 346 = 366, 1058–366 = 692, 692 ÷ 2 =346, 1058 – 56 = 1002 , 1002 ÷ 2 = 501, 712 – 501 = 211

Q40a. ANS : $3\frac{7}{10}$litre Q40b. ANS : $1\frac{2}{5}$ *litre*

$2\frac{1}{2} + 1\frac{1}{5} = 2\frac{5}{10} + 1\frac{2}{10} = 3\frac{7}{10}$, $3\frac{7}{10} - 2\frac{3}{10} = 1\frac{4}{10} = 1\frac{2}{5}$

Q41. ANS : 225 → 460 –80 = 380, 380÷2=190, 190+80=270; 270÷6 =45, 45 x 5 =225

Q42. ANS : 560 → 240x3=720,720+350=1070, 1910 –1070 =890, 890 ÷ 4 =210, 210 +350= 560

Q43. ANS : 56 → 14 ÷2 =7, 7 x 8 = 56

THE END