**A**

# PEI CHUN PUBLIC SCHOOL

## End-of-Year Examination, 2023

## MATHEMATICS

## PRIMARY 4

## BOOKLET A

Additional materials: Optical Answer Sheet (OAS)

**Total Time For Booklets A & B : 1 h 45 min**

Name : _____ (  )

Class : Primary 4 / _____

Date : 30 October 2023

Maths Teacher: _____

**INSTRUCTIONS TO CANDIDATES**

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

ANSWER ALL THE QUESTIONS.

SHADE YOUR ANSWERS IN THE OPTICAL ANSWER SHEET (OAS) PROVIDED.

Questions 1 to **15** 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. (30 marks)

---

1. The value of the digit 7 in 67 089 is _____.

   (1) 70

   (2) 700

   (3) 7000

   (4) 70 000

2. 43 852 rounded to the nearest hundred is _____.

   (1) 43 800

   (2) 43 850

   (3) 43 900

   (4) 44 000

3. In which of the following numbers does the digit 4 stand for 4 hundredths?

   (1) 194.36

   (2) 387.64

   (3) 426.09

   (4) 867.46

4. Express $\frac{53}{1000}$ as a decimal.

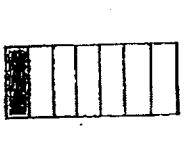
   (1) 0.53

   (2) 0.503

   (3) 0.053

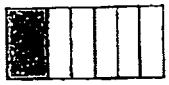
   (4) 0.0053

5. Which one of the following has $\frac{1}{6}$ of the figure shaded?



(1)

(2)



(3)

(4)

6. Which of the following is **not** in its simplest form?

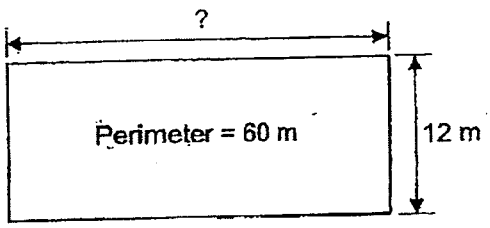
(1) $\frac{2}{6}$

(2) $\frac{4}{7}$

(3) $\frac{5}{8}$

(4) $\frac{8}{9}$

7. What is the length of the rectangle given its perimeter?




(1) 5 m

(2) 15 m

(3) 18 m

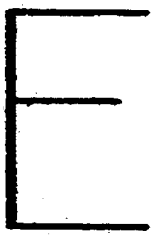
(4) 24 m

8. Which of the following figures has perpendicular lines?

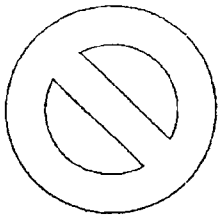
(1)

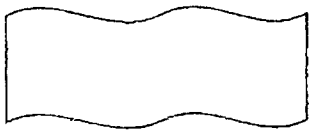
(2)

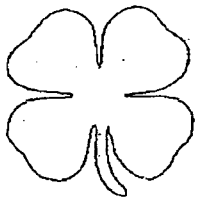
(3)

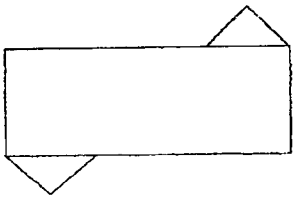
(4) 

9. Which of the following figures is symmetrical?

(1) 

(2) 

(3) 

(4) 

10. Jane completed her job at 01 20. She worked for 4 h 30 min.
At what time did she start her job?

(1) 5.50 a.m.

(2) 8.50 a.m.

(3) 8.10 p.m.

(4) 8.50 p.m.

11. Mr Ling sold 8 sofas and some carpets for $5928. The sofa cost $645 each. How much did the carpets cost?

(1) $741

(2) $768

(3) $5160

(4) $5283

12. Mandy and William had a total of 1712 stickers at first. After Mandy gave away 92 stickers, William had 5 times as many stickers as Mandy. How many stickers did Mandy have in the end?

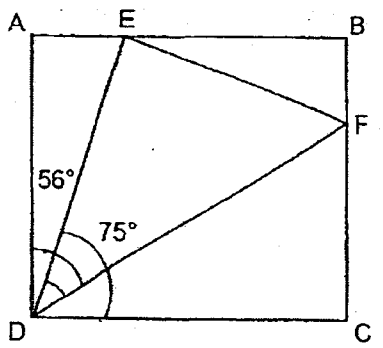
(1) 270

(2) 324

(3) 362

(4) 1350

13. ABCD is a square. $\angle ADF = 56°$ and $\angle EDC = 75°$.




Find $\angle EDF$.

(1) 15°

(2) 19°

(3) 34°

(4) 41°

14. Jerry bought 3 apples and 1 orange. The cost of 3 apples was $5.25. An apple cost $0.60 less than an orange. What was the cost of an orange?

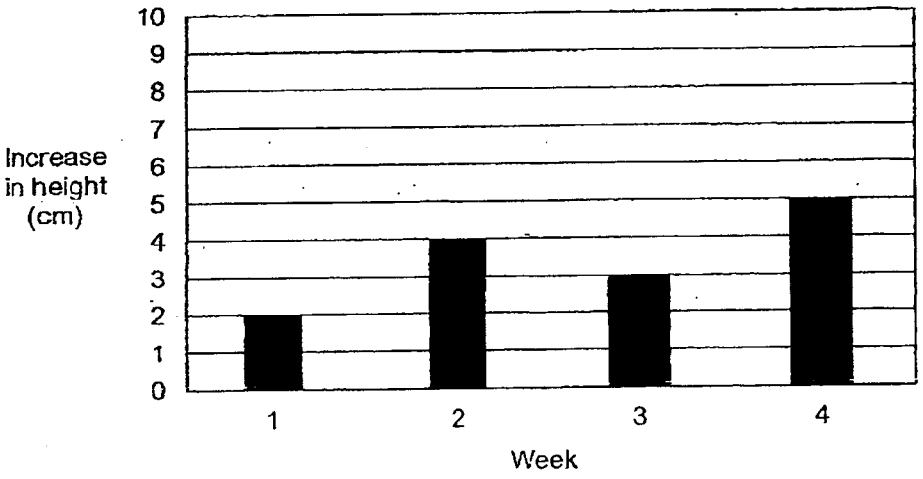
(1) $1.15

(2) $1.75

(3) $2.35

(4) $4.65

15. The original height of a plant was recorded at the start of week 1. The bar graph shows the increase in the height of the plant at the end of each week. The height of the plant was 22 cm by the end of week 4.




What was the height of the plant by the end of week 2?

(1) 10 cm

(2) 14 cm

(3) 18 cm

(4) 28 cm

B

# PEI CHUN PUBLIC SCHOOL

## End-of-Year Examination, 2023

## MATHEMATICS

## PRIMARY 4

## BOOKLET B

**Total Time For Booklets A & B : 1 h 45 min**

Name : _____ (  )

Class : Primary 4 / _____

Date : 30 October 2023

Maths Teacher: _____

Parent's Signature: _____

| | |
|---|---|
| Booklet A | 30 |
| Booklet B | 70 |
| TOTAL | 100 |

**INSTRUCTIONS TO CANDIDATES**

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.
FOLLOW ALL INSTRUCTIONS CAREFULLY.
ANSWER ALL QUESTIONS.
SHOW YOUR WORKING CLEARLY AS MARKS ARE AWARDED FOR CORRECT WORKING.

Questions **16** to **35** carry 2 marks each. Show your working clearly in the space below each question and write your answers in the spaces provided. For questions which require units, give your answers in the units stated. (40 marks)

Do not write in this space

16. What number is 100 more than 9997?

Answer : _____

17. Two factors of 21 are 1 and 21. What are the other two factors of 21?

Answer : _____

18. Write $3\frac{5}{8}$ as an improper fraction.

Answer : _____

19. Find the value of $\frac{7}{9} - \frac{2}{3}$.

Answer : _____

20. Round 78.55 to the nearest whole number.

Answer : _____

SCORE

21. Arrange the following fractions from the smallest to the greatest.

Do not write in this space.

$$\frac{5}{6} \quad , \quad \frac{5}{12} \quad , \quad \frac{11}{12}$$

Answer : _____, _____, _____
(smallest)

---

22. $26.92 + 0.58 =$ _____.

Answer : _____

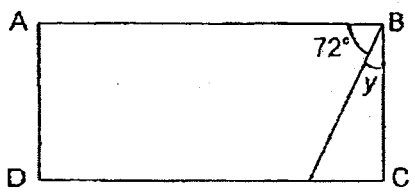
---

23. Find the value of $8.26 \times 9$.

Answer : _____

---

24. In the figure, ABCD is a rectangle. Find the value of $\angle y$.



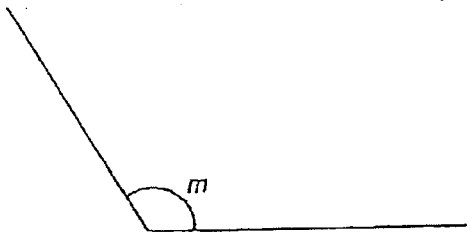

Answer : _____ °

---

SCORE

Do not write in this space.

25. (a) Measure and write down the size of $\angle m$.




Answer : _____ °

(b) Draw $\angle ABC = 83°$. Line AB is given.

A B

26. (a) State the time 36 min before midnight using the 24-hour clock.

Answer : _____

(b) What is the duration from 10 35 to 13 08?

Answer : _____ h _____ min

SCORE

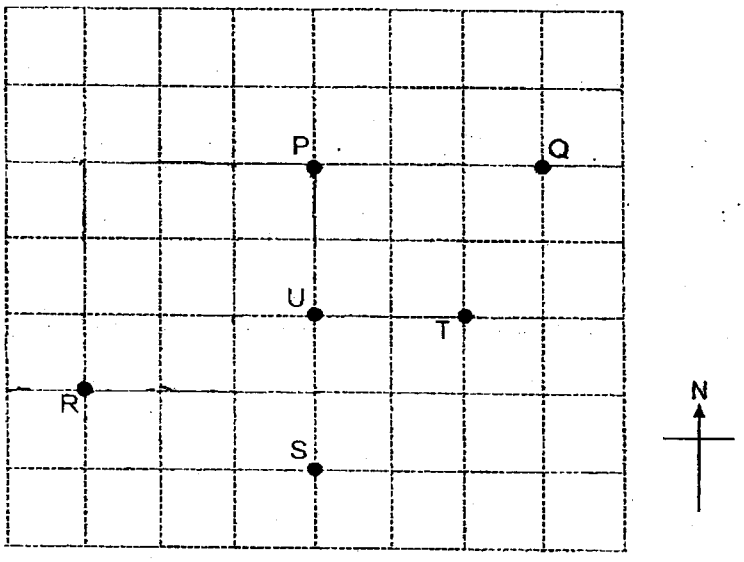
27. The perimeter of a square is 36 m. What is the area of the square?

Do not write in this space.

Answer : _____ $m^2$

---

28. Six landmarks on a map of a district are shown in the square grid below.




(a) Which landmark is north-east of R and north of S?

Answer: (a) _____

(b) Parvati is at one of the landmarks. She is facing U and needs to turn 45° clockwise to face P. Which landmark is Parvati at?

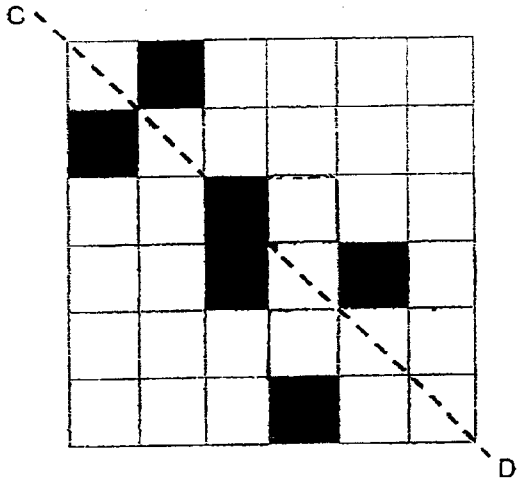
(b) _____

---

SCORE

29. Shade three more squares in the figure below so that CD is the line of symmetry.

Do not write in this space.




30. Rashid and Wen Long cycled a total distance of 8.34 km.
Rashid cycled 3 times as far as Wen Long did. How far did Wen Long cycle?
Give your answer correct to 2 decimal places.

Answer : _____ km

31. Siva had some money. She bought 7 books for $8.65 and had $7.45 left.
How much money did Siva have at first?

Answer : $ _____

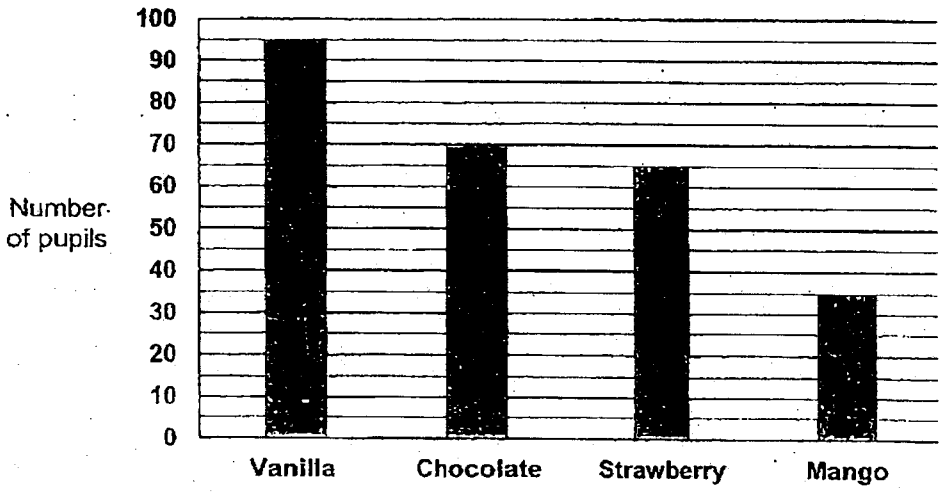
SCORE

32. Mrs Chan had 5 $\ell$ of orange juice. Her daughter drank $\frac{3}{5}$ $\ell$ of it.
How much orange juice had Mrs Chan left?

Do not write in this space.

Answer : _____ $\ell$

33. Some pupils joined a survey to indicate their favourite ice-cream flavour.
The bar graph below shows the results of the survey.




What was the total number of pupils who joined the survey?

Answer : _____

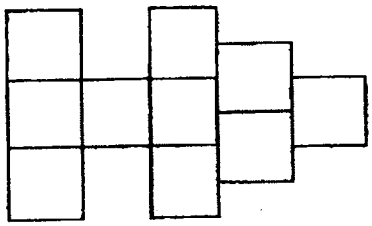
SCORE

34. At first, Mei Hua had $48 less than Celeste. Mei Hua then gave $36 to Celeste. How much **more** money did Celeste have than Mei Hua in the end?

Do not write in this space.

Answer : $_____

35. The figure is made up of 10 identical squares. The area of each square is 49 cm². What is the perimeter of the figure?



Answer : _____ cm

SCORE

For questions **36** to **43**, 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. (30 marks)

Do not write in this space.

36. The table below shows the ticket prices to an amusement park during the weekdays and weekends.

| Type of Tickets | Weekdays | Weekend |
|---|---|---|
| Adult | $14.50 per ticket | $31 for 2 tickets |
| Child below 12 years old | $6.90 per ticket | $8.90 per ticket |

(a) Mr Omar took his child, Suresh, to the park on Monday.
Suresh was 6 years old. How much did Mr Omar pay for their tickets?

Answer : (a) _____ [1]

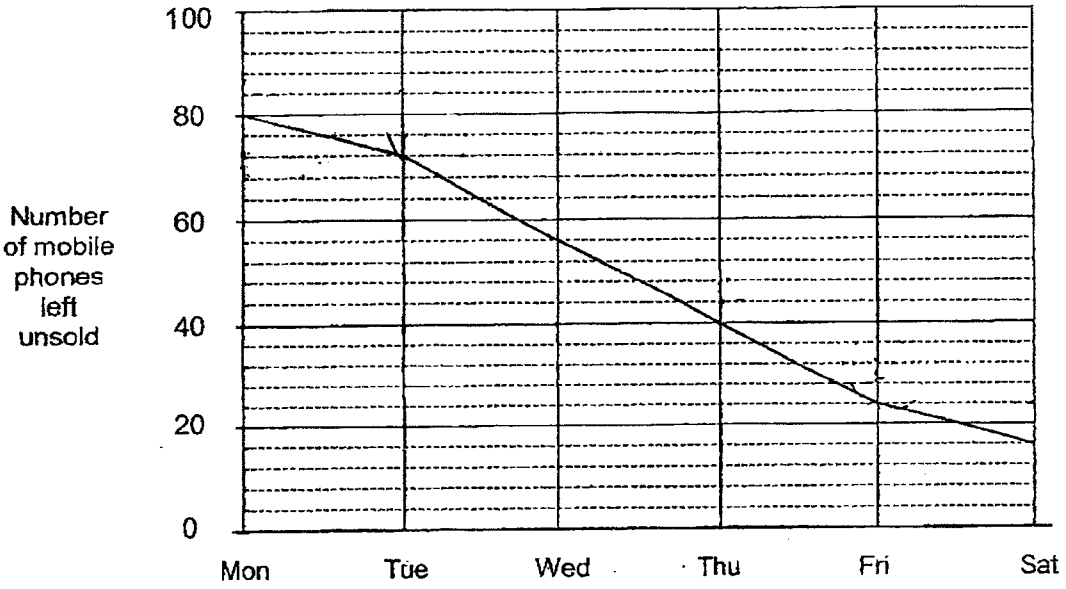
(b) On Saturday, Mr and Mrs Johnson took their 3 children to the park.
Their eldest child was 11 years old.
How much did Mr Johnson pay for their tickets?

Answer : (b) _____ [2]

SCORE

37. Shop Mobile had 80 mobile phones on Monday and started selling the mobile phones from Tuesday to Friday. The graph below shows the number of mobiles phones left unsold at the end of each day.

Do not write in this space.




(a) How many mobile phones were sold on Tuesday?

Answer : (a) _____ [1]

(b) By which day did Shop Mobile sell $\frac{7}{10}$ of the mobile phones?

Answer : (b) _____ [2]

SCORE

38. At a school activity, one teacher was needed to guide at most 8 pupils in a group. A total of 125 girls and 386 boys participated in the activity. The last group had fewer than 8 pupils.

Do not write in this space.

(a) What was the least number of teachers needed to guide all the pupils?

Answer : (a) _____ [3]

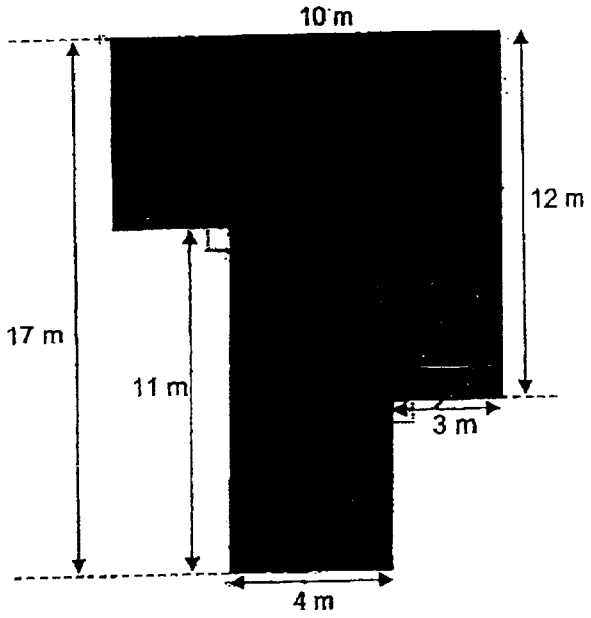
(b) How many pupils were there in the last group?

Answer : (b) _____ [1]

SCORE

39. The shaded figure (not drawn to scale) below is made up of rectangles.

Do not write in this space.




(a) Find the area of the shaded figure.

Answer : (a) _____ [2]

(b) Find the perimeter of the shaded figure.

Answer : (b) _____ [2]

SCORE

40. There are 36 pupils in a class. There are 12 boys in the class.

Do not write in this space.

(a) What fraction of the class are girls?
Express your answer in the simplest form.

Answer : (a) _____ [2]

(b) $\frac{4}{9}$ of the pupils in the class wear spectacles.
How many pupils **do not** wear spectacles?

Answer : (a) _____ [2]

SCORE

41. An exercise book cost 4 times as much as a pencil. Paul paid $7.56 for 3 pencils and 1 exercise book.

Do not write in this space.

(a) What was the cost of 1 pencil?

Answer : (a) _____ [2]

(b) What was the cost of 1 exercise book?

Answer : (b) _____ [2]

SCORE

42. Mrs Koh had 90 candies and 72 jellies. She packed all of them into as many bags as possible. Each bag contained an equal number of candies. The total number of candies and sweets in each bag was also the same.

Do not write in this space.

(a) How many bags of candies and jellies did Mrs Koh pack?

Answer : (a) _____ [2]

(b) What was the total number of candies and jellies in each bag?

Answer : (b) _____ [2]

SCORE

43. Mike bought 5 pens and 2 erasers. Kelly bought 2 pens and 5 erasers. Mike paid $2.40 more than Kelly. An eraser cost $0.95.

Do not write in this space.

(a) How much **more** does a pen cost than an eraser?

Answer : (a) _____ [2]

(b) What was the cost of a pen?

Answer : (b) _____ [2]

**End of Paper**

SCORE

SCHOOL : PEI CHUN PUBLIC SCHOOL
LEVEL : PRIMARY 4
SUBJECT : MATHEMATICS
TERM : 2023 SA2

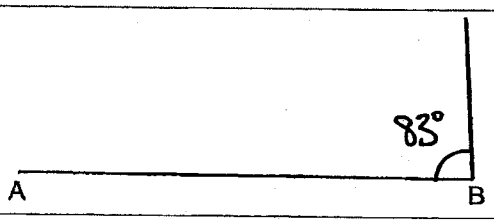
CONTACT :

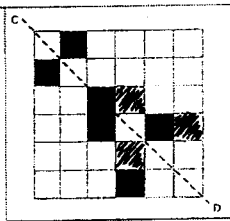
---

**BOOKLET A**

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

**BOOKLET B**

| | |
|---|---|
| Q16 | 10097 |
| Q17 | 7 and 3 |
| Q18 | $\frac{29}{8}$ |
| Q19 | $\frac{1}{9}$ |
| Q20 | 79 |
| Q21 | $\frac{3}{5}$ , $\frac{3}{5}$ , $\frac{3}{5}$ |
| Q22 | 27.50 |
| Q23 | 74.34 |
| Q24 | 18 |
| Q25a | 121° |
| Q25b |  |
| Q26 | a) 2324 b) 2 hr 33 min |
| Q27 | 36 ÷ 4 = 9<br>9 x 9 = **81 m²** |
| Q28 | a) P b) T |

| | |
|---|---|
| Q29 |  |
| Q30 | 4u = 8.34 km<br>1u = 2.085 km ≈ **2.09 km** |
| Q31 | \$8.65 + \$7.45 = **\$16.10** |
| Q32 | $5\ell - \frac{3}{5}\ell = 4\frac{2}{5}\ell$ |
| Q33 | 95 + 70 + 65 + 35 = **265** |
| Q34 | 48 + (36 x 2) = **120** |
| Q35 | 20 x 7 = **140 cm** |
| Q36a | \$14.50 + \$6.90 = **\$21.40** |
| Q36b | \$31 + (\$8.90 x 3) = **\$57.70** |
| Q37a | 80 - 72 = **8** |
| Q37b | 10u = 80<br>1u = 8<br>7u = 56<br>80 - 56 = **24** |
| Q38a | No. of pupils = 386 + 125 = 511<br>511 ÷ 8 = 63 R 7<br>63 + 1 = **64** |
| Q38b | 7 |
| Q39a | Area A = 6 x 10 = 60 $m^2$<br>Area B = 3 x 6 = 18 $m^2$<br>Area C = 4 x 11 = 44 $m^2$<br>Total area = 60 + 18 + 44 = **122 $m^2$** |
| Q39b | 10 + 12 + 3 + 5 + 4 + 11 + 3 + 6 = **54 m** |
| Q40a | No. of girls = 36 - 12 = 24<br>Fraction = $\frac{\text{No. of girls}}{\text{Total pupils}} = \frac{24}{36} = \frac{\mathbf{2}}{\mathbf{3}}$ |
| Q40b | Do not wear spectacles = $\frac{9}{9} - \frac{4}{9} = \frac{5}{9}$<br>5 x 4 = **20** |
| Q41a | 1 book = 4 pencils<br>7 pencils cost \$7.56<br>1 pencil = \$7.56 ÷ 7 = **\$1.08** |

| | |
|---|---|
| Q41b | $1.08 x 4 = **$4.32** |
| Q42a | Common factors of 90 and 72 = 1, 2, 3, 6, 9, **18**<br>Ans is the greatest common factor because she packed them into as MANY bags as possible |
| Q42b | 5 + 4 = **9** |
| Q43a | 3 erasers = 3 x $0.95 = $2.85<br>3 pens = $2.85 + $2.40 = $5.25<br>1 pen = $5.25 ÷ 3 = $1.75<br>$1.75 - $0.95 = **$0.80** |
| Q43b | $0.80 + $0.95 = **$1.75** |