MATHEMATICS

BOOKLET A

Name: _____ (   )

Class: P 4. _____

Booklet A (40)	

Total time for Booklets A, B and C: 1 h 45 min

Do not turn over this page until you are told to do so.

Follow all instructions carefully.

Answer all questions.

This booklet consists of 9 printed pages.

Section A: (40 marks)

For each of the following question, four options are given.
One of them is the correct answer.
Make your choice (1, 2, 3, 4). Shade the oval (1, 2, 3, 4) on the Optical Answer Sheet.

1. What is the value of the digit 3 in 36 417?

   (1) 30×10

   (2) 30×100

   (3) 300×10

   (4) 300×100

2. Which one of the following numbers gives an answer of 23 000 when rounded off to the nearest hundred?

   (1) 22 050

   (2) 22 950

   (3) 23 050

   (4) 23 450

3. Which one of the following numbers has the factors 1, 2, 3, 4, 6, 8, 12, 16, 24 and 48 only?

   (1) 12

   (2) 24

   (3) 48

   (4) 96

4. 13 ⬜ 12 = 156. What is the missing sign in the box?

   (1) +

   (2) -

   (3) ×

   (4) ÷

The table below shows the number of people at a public swimming pool on a certain day. Study it carefully and answer questions 5 to 7.

Time Interval	Time	Number of people
A	6 a.m. to 8 a.m.	6
B	8 a.m. to 10 a.m.	12
C	10 a.m. to 12 noon	16
D	12 noon to 2 p.m.	8
E	2 p.m. to 4 p.m.	4

5. At which time of the day was the swimming pool most crowded?

   (1) 8 a.m. to 10 a.m.
   (2) 10 a.m. to 12 noon
   (3) 12 noon to 2 p.m.
   (4) 2 p.m. to 4 p.m.

6. What was the difference in the number of people between the time when the swimming pool was most crowded and the time when it was least crowded?

   (1) 12
   (2) 10
   (3) 8
   (4) 4

7. At which two time intervals was the total number of people at the swimming pool the same as those who were there between 8 a.m. to 10 a.m.? 12 people

   (1) A and D
   (2) A and E
   (3) C and E
   (4) D and E

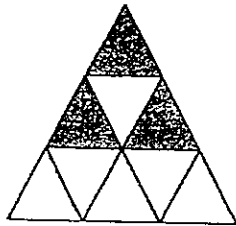8. Express $\dfrac{25}{8}$ as a mixed number.

(1) $2\dfrac{5}{8}$

(2) $3\dfrac{5}{8}$

(3) $3\dfrac{1}{8}$

(4) $4\dfrac{1}{8}$

9. What fraction of the figure is shaded?

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

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

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

(4) $\dfrac{3}{5}$

10. $3 \times \dfrac{2}{3}$ is the same as _____.

   (1) $\dfrac{32}{3}$

   (2) $3\dfrac{2}{3}$

   (3) $\dfrac{2}{3} + \dfrac{2}{3} + \dfrac{2}{3}$

   (4) $\dfrac{2}{3} \times \dfrac{2}{3} \times \dfrac{2}{3}$

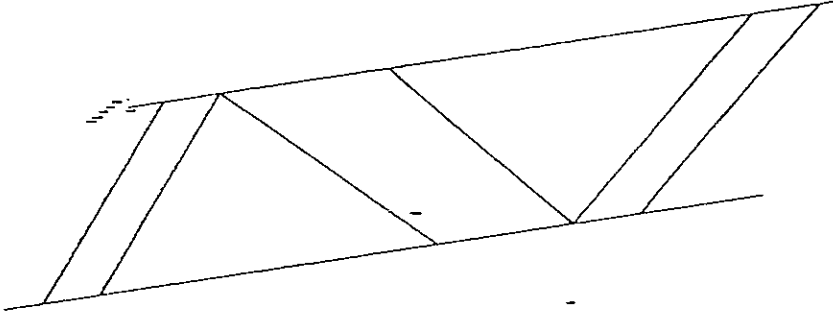11.   In the letter below, how many right angles are there altogether?

E

   (1)   1
   (2)   2
   (3)   3
   (4)   4
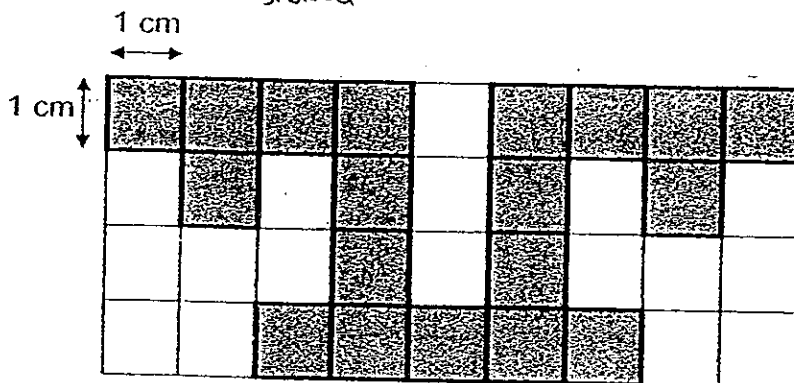
12. How many pairs of parallel lines are there in the figure?

   (1) 1

   (2) 2

   (3) 3

   (4) 4

13. The figure below is not drawn to scale.
    What is the area of the shaded figure?

   (1) 17 cm^2

   (2) 18 cm^2

   (3) 19 cm^2

   (4) 20 cm^2

14. Round off the product of 94 and 27 to the nearest ten.

    (1) 2 500

    (2) 2 530

    (3) 2 540

    (4) 2 600

15. Find the sum of the first 3 multiples of 4.

    (1) 9

    (2) 12

    (3) 24

    (4) 40

16. In $\dfrac{4}{6} = \dfrac{\square}{9}$, what is the missing ~~fraction~~ number in the box?

    (1) 8

    (2) 2

    (3) 6

    (4) 4

17. In the diagram below, what is the value $\angle y$ shown in the diagram?
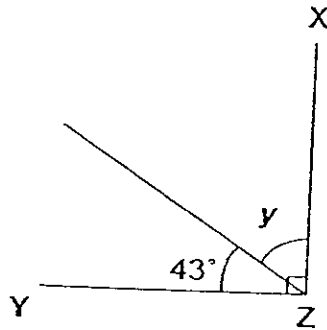
(1) 43°

(2) 47°

(3) 53°

(4) 57°

18. In the letters below, which letter has both parallel and perpendicular lines?

NOTE

(1) N

(2) O

(3) T

(4) E

19.   If

 + + = 45

 + = 20

 + = 33

Find   +

(1)   12

(2)   13

(3)   25

(4)   37

20.   How many eighths are there in $2\frac{1}{2}$?

(1)   5

(2)   6

(3)   17

(4)   20

METHODIST GIRLS' SCHOOL (Primary)
Semestral Assessment 1 (2008)
Primary 4

MATHEMATICS

BOOKLET B

Name: _____ ( )

Class: P 4. _____

Booklet B (40)	

Total time for Booklets A, B and C: 1 h 45 min

Do not turn over this page until you are told to do so.

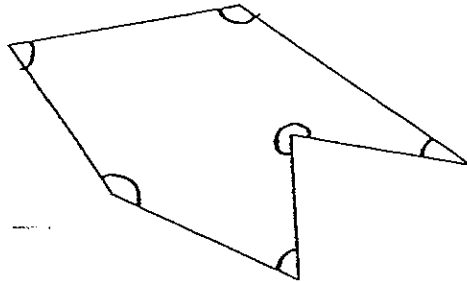Follow all instructions carefully.

Answer all questions.

This booklet consists of 9 printed pages.

Section B: (40 marks)
Write your answers in the space provided.
For questions which require units, give your answers in the units stated.

21. List all the factors of 8.

22. Study the figure below.
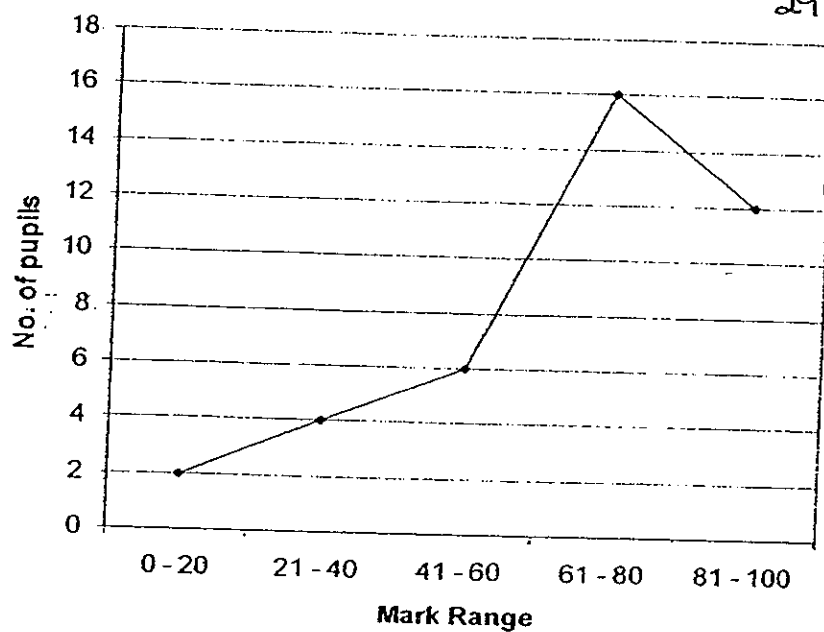
How many angles in the figure are less than 90°?

23. Find the sum of 28 thousands, 17 hundreds, 316 tens and 21 ones.

24. What is the missing number in the pattern?

3, 6, 12, 21, _____ , 48

The line graph below shows the marks obtained by a class of Primary 4 pupils in a quiz. Study it carefully and answer questions 25 to 28. 29

Mark Range

25. In which mark range did most of the pupils score?

26. How many pupils took part in the quiz?

27. What is the **maximum** number of pupils who scored at least 50 marks for the quiz?

29. What is the difference in the number of pupils who scored above 60 marks and those who scored 40 marks and below?

29. Mindy bought 32 packets of sweets. Each packet contains 18 sweets. She then gave each of her 9 friends an equal number of sweets. How many sweets did each of her friends get?

30. $\dfrac{9}{4} + \dfrac{9}{4} =$ _____

Express your answer in the simplest form.

31. In $\boxed{} + 1\dfrac{1}{6} = 3\dfrac{11}{12}$, what is the missing mixed number in the box?

Express your answer in the simplest form.

32. The figure shows 16 stars. 8 stars are shaded.

If $\frac{3}{4}$ of the 16 stars are to be shaded, how many **more** stars need to be shaded?
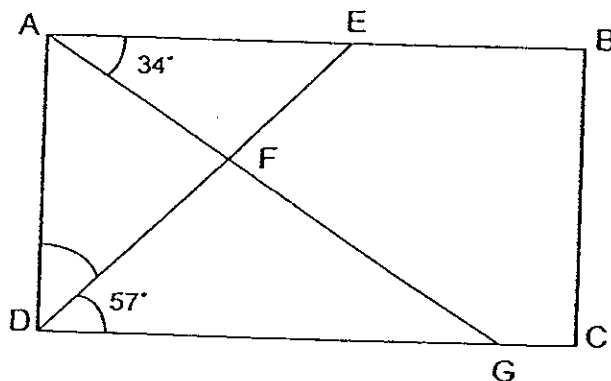
☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆
☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆

33. Anita ate $\frac{2}{5}$ of a pizza and Dewi ate $\frac{1}{10}$ of the pizza more than Anita.
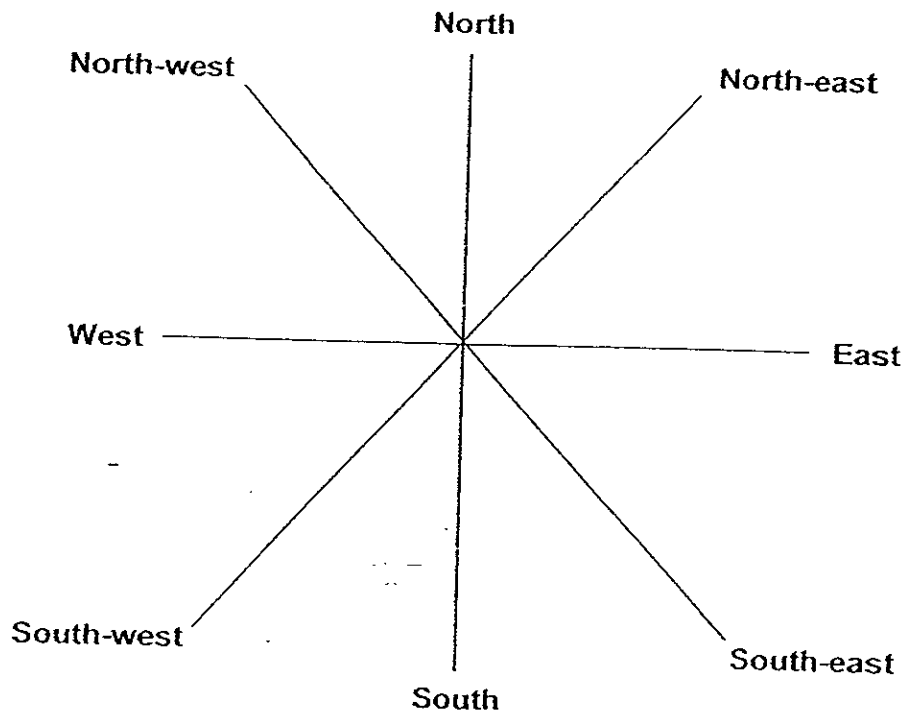
What fraction of the pizza did they eat altogether?

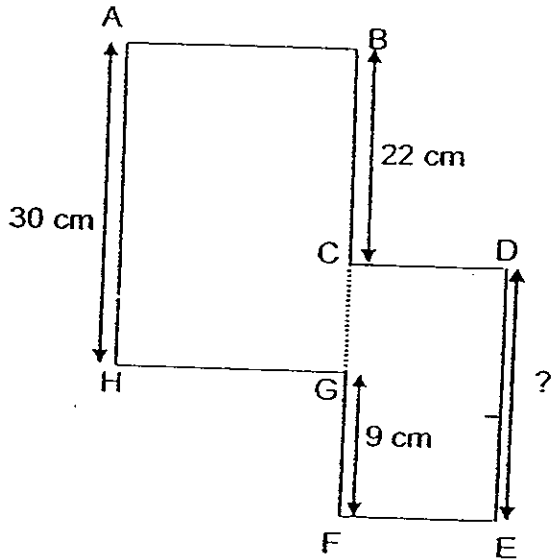34. The rectangle ABCD below is not drawn to scale.
Find $\angle ADF$.

35. Shanti turned 45° clockwise and then made a $\frac{3}{4}$ - turn anticlockwise. She is now facing East. Where was she facing before she made the turns?
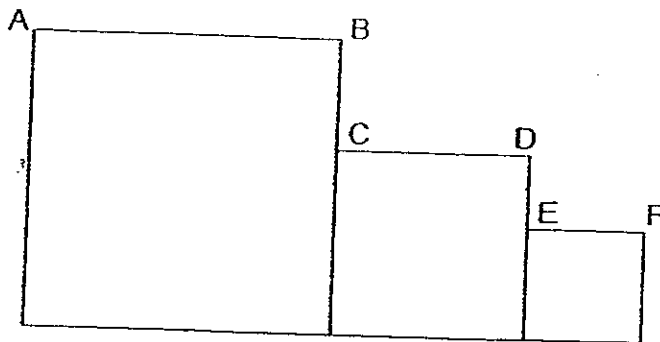

West — East

North
North-west
North-east
West
East
South-west
South-east
South

36. The figure below is not drawn to scale.
ABGH and CDEF are rectangles.
Find the length of DE.

30 cm

22 cm

9 cm

?

A
B
C
D
H
G
F
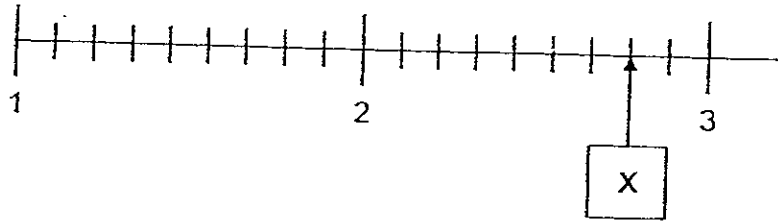E

cm

37. The figure is made up of three different squares.
The length of EF is 6 cm.
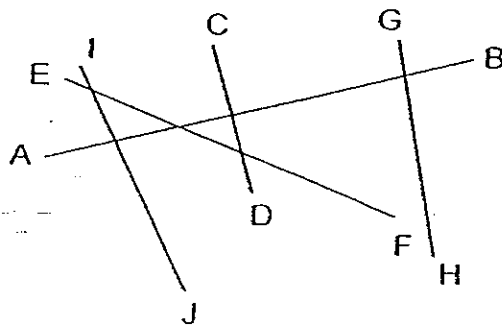EF = BC and DE = 4 cm.
Find the length of AB.

A
B
C
D
E
F

cm

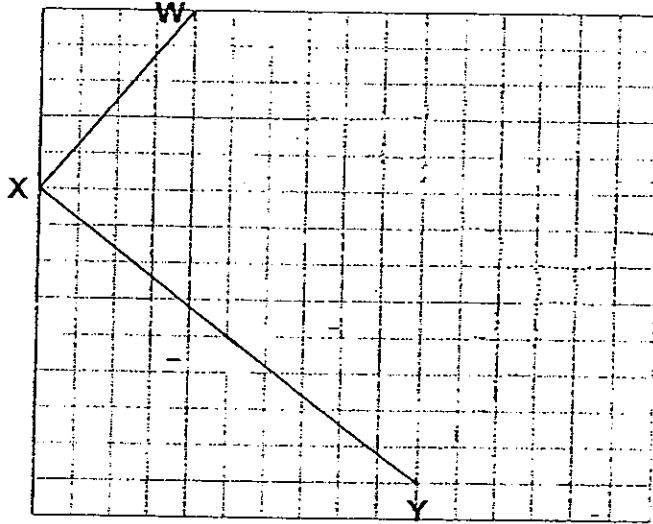38.   In the number line below, what is the value of X?

39.   Name a pair of perpendicular lines in the figure below.

40. The figure below shows two sides of a rectangle WXYZ.

    (i)   Draw line WZ so that it is parallel to line XY.

    (ii)   Draw the perpendicular line YZ at point Y.

METHODIST GIRLS' SCHOOL (Primary)
Semestral Assessment 1 (2008)
Primary 4

MATHEMATICS

BOOKLET C

Name: _____ (   )

Class: P 4. _____

Total time for Booklets A, B and C: 1 h 45 min

Booklet A (40)	
Booklet B (40)	
Booklet C (20)	
Total: (100)	

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.

Write your answers in this booklet.

This booklet consists of 4 printed pages.

Section C: (20 marks)
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.

41. Jean had $1 500.

If she bought 16 CDs at $23 each and 18 books at $9 each, how much had she left?

Ans: _____ [4]

42. There are 147 men at a sports complex.

There are 3 times as many women as men,

and twice as many children as women.

If all the people in the sports complex are seated in groups of 7,

how many groups are there altogether?

Ans: _____ [4]

43. Danny has 25 more stickers than Eileen.

Fred has 40 more stickers than what Danny and Eileen both have in total.

If Danny, Eileen and Fred have 2190 stickers altogether,

how many stickers did Eileen have?

Ans: _____ [4]

44. In Packet A, there are 32 balloons and $\frac{3}{4}$ of them are blue.

In Packet B, there are 48 balloons and $\frac{7}{12}$ of them are blue.

How many **more** blue balloons are there in Packet B than Packet A?

Give your answer as a fraction of the total number of balloons in Packet A.

Express your answer in the simplest form.

Ans : _____ [4]
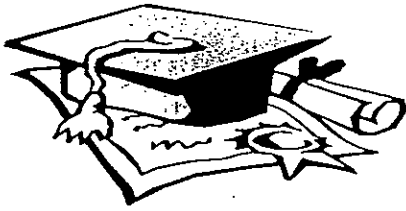
45. Charmaine had some stamps.

She gave Ben $\frac{1}{6}$ of them.

She gave Alan $\frac{1}{12}$ more than what she gave Ben.

If Charmaine had given away 25 stamps in total, how many stamps did she have left?

Ans: _____ [4]

END OF PAPER

ANSWER SHEET

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

Q18	Q19	Q20
4	4	4

21) 1,2,4,8   22) 3 angles   23) 32881   24) 33

25) 61-80   26) 40 pupils   27) 34 pupils   28) 22 pupils

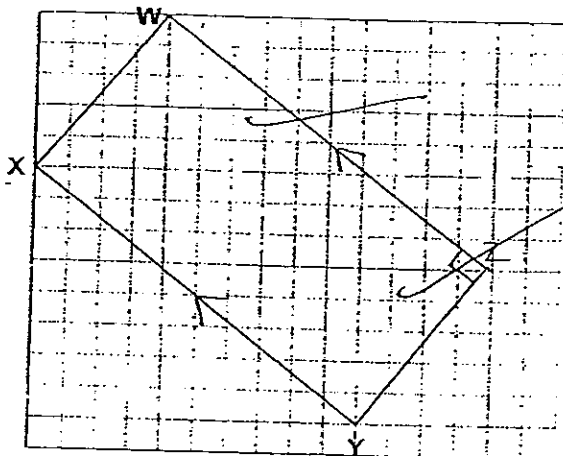29) 64 sweets   30) 9/2   31) 2 ¾   32) 4 stars

33) 9/10   34) 33°   35) North-west   36) 17cm

37) 16cm   38) 2 7/9   39) AB ⊥ CD

40) i) ii)

41) 16x23=368
18x9=162
368+162=530
1500-530=970
She had $970 left

42) M [147]
W [ ][ ][ ]
C [ ][ ][ ][ ][ ]

10x147=1470
1470÷7=210
There are 210 groups.

43) E [?]
D [ ][25]
F [ ][ ][25][40] } 2190

25+25+40=90
2190-90=2100
2100÷4=525
Eileen has 525 stickers.

44) 3/4x22/1=24
7/12x48/1=28
28-24=4
4/32=1/8
There are 1/8 more blue balloons.

45) 1/6+1/12=2/12+1/12=3/12
3/12+2/12=5/12
25÷5=5
12/12-5/12=7/12
7x5=35
She had 35 stamps left.