Anglo-Chinese School (Primary)

P4 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET A

Name: _____ (   )   Class: Primary 4

Date: 30 October 2007   Duration of paper: 1 h 45 min

THIS BOOKLET CONTAINS 5 PAGES

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

FOLLOW ALL INSTRUCTIONS CAREFULLY.

SECTION A - Multiple Choice Questions (20 MARKS)

Questions 1 to 10 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 (OAS).

1. The value of the digit 5 in 54 632 is _____.

    (1) 50 ones

    (2) 50 hundreds

    (3) 50 thousands

    (4) 54 thousands

2. Round off the sum of 25 345 and 32 550 to the nearest hundred.

    (1) 57 890

    (2) 57 895

    (3) 57 900

    (4) 58 000

3. 3 000 more than 49 820 is _____.

    (1) 46 820

    (2) 50 120

    (3) 52 000

    (4) 52 820

1

4. How many sixths are there in $5\frac{2}{3}$?

      (1) 15

      (2) 17

      (3) 30

      (4) 34

5. $2.8 = 1 + 1\frac{\square}{5}$. What is the missing number in the box?

      (1) 4

      (2) 8

      (3) 9

      (4) 14

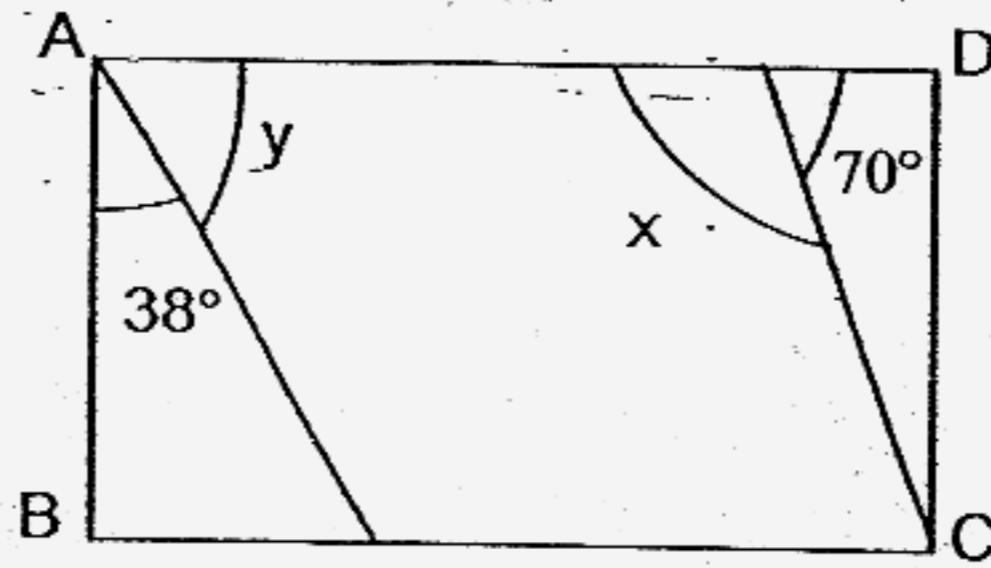6. How many right angles are there in $3\frac{1}{2}$ turns?
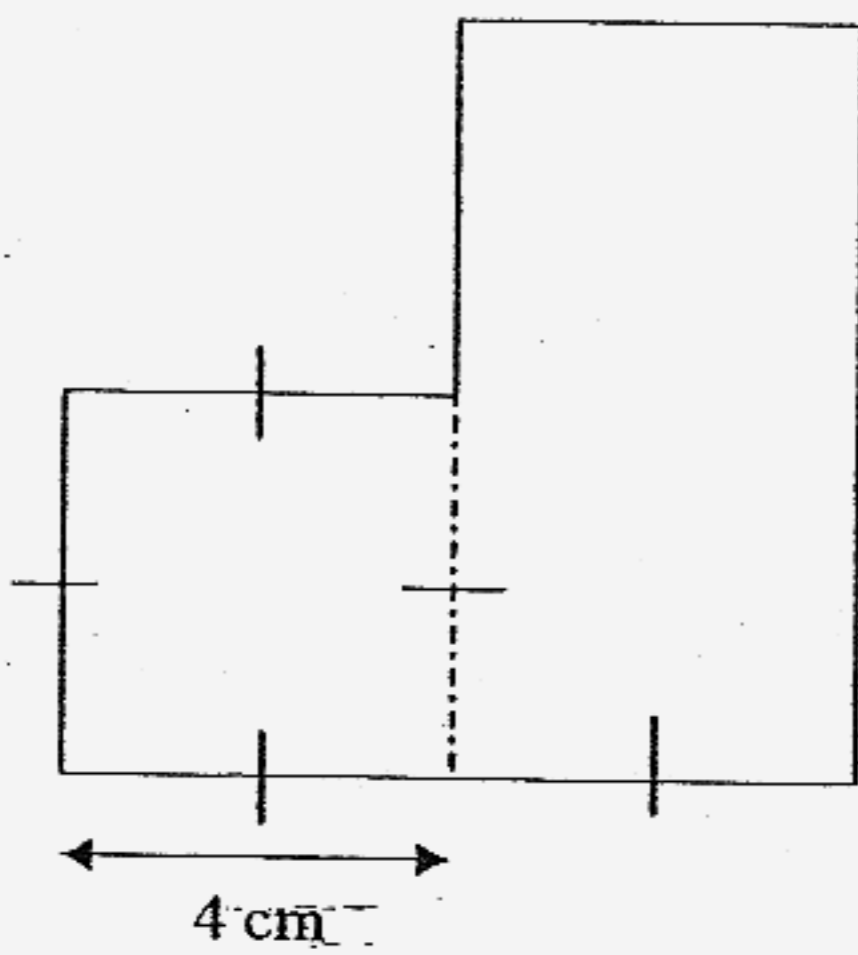
      (1) 5

      (2) 7

      (3) 12

      (4) 14

7. Figure ABCD is a rectangle. Find the sum of angles x and y.
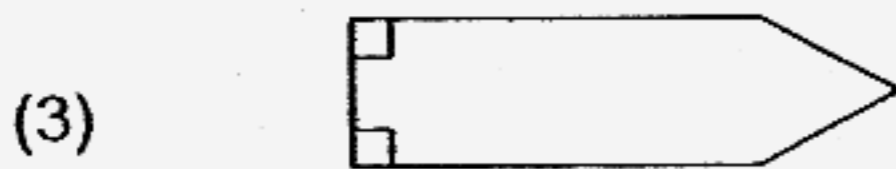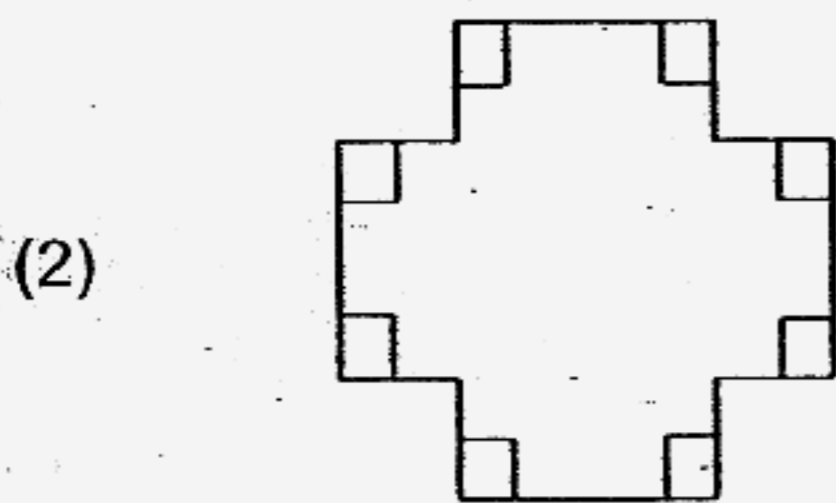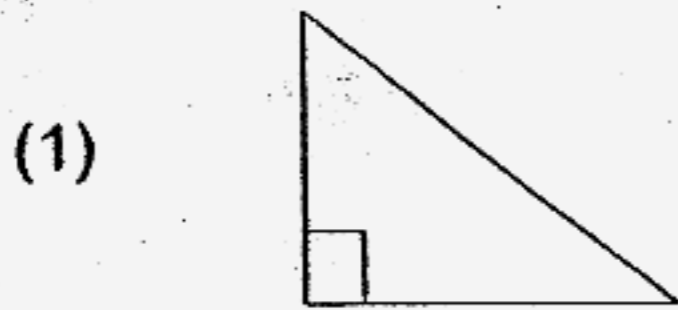

(1) 52°

(2) 108°

(3) 110°

(4) 162°

8. The figure below consists of a square and a rectangle. The length of the rectangle is twice as long as its breadth. Find the area of the figure.

(1) 32 cm²

(2) 36 cm²

(3) 40 cm²

(4) 48 cm²

3

9. Which one of these figures has **only two** pairs of perpendicular lines?

(1)

(2)

(3)

(4)

10. The total mass of a papaya and a water-melon is 4 kg. The water-melon weighs 1 kg more than the papaya. Find the mass of the water-melon.

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

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

(3) 3 kg

(4) 5 kg

4

Anglo-Chinese School (Primary)

P4 MATHEMATICS 2007

END-OF-YEAR EXAMINATION

BOOKLET B

Name: _____ ( )   Class: Primary 4 ___

Date: 30 October 2007   Duration of paper: 1 h 45 min

_____
Parent's/Guardian's signature

Section	Maximum Marks	Marks obtained
A. Multiple Choice Questions	20	
B. Short Answers	40	
C. Problem Sums	40	
Total Marks	100	
Parent's/Guardian's signature		

THIS BOOKLET CONTAINS 16 PAGES.
DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
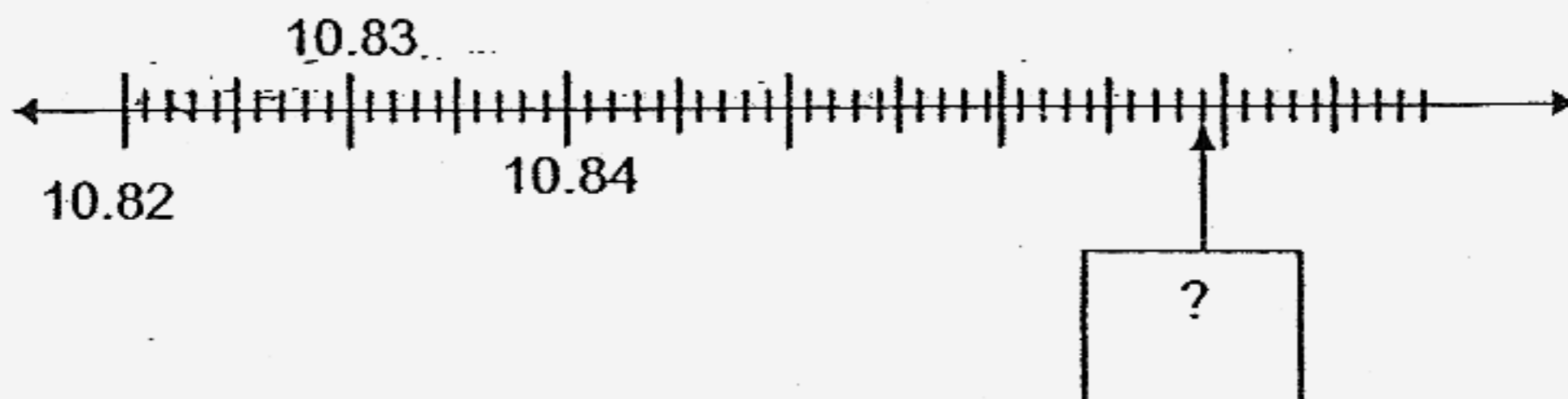FOLLOW ALL INSTRUCTIONS CAREFULLY.

Section B (20 questions x 2 marks each)

Write the correct answers in the spaces provided.
(Give your answers in the units required and in its simplest form wherever possible.)

11. A number is a multiple of 5. The number is less than 40.

    When it is divided by 8, there is a remainder of 3.

    What is the number?

    _____

12. A wooden rod of length 3 m 34 cm is cut into equal pieces of 6 cm each. How many 6-cm pieces will there be?

    _____

13. What is the missing number in the box?

    10.83

    10.82   10.84

    ?

    _____

1

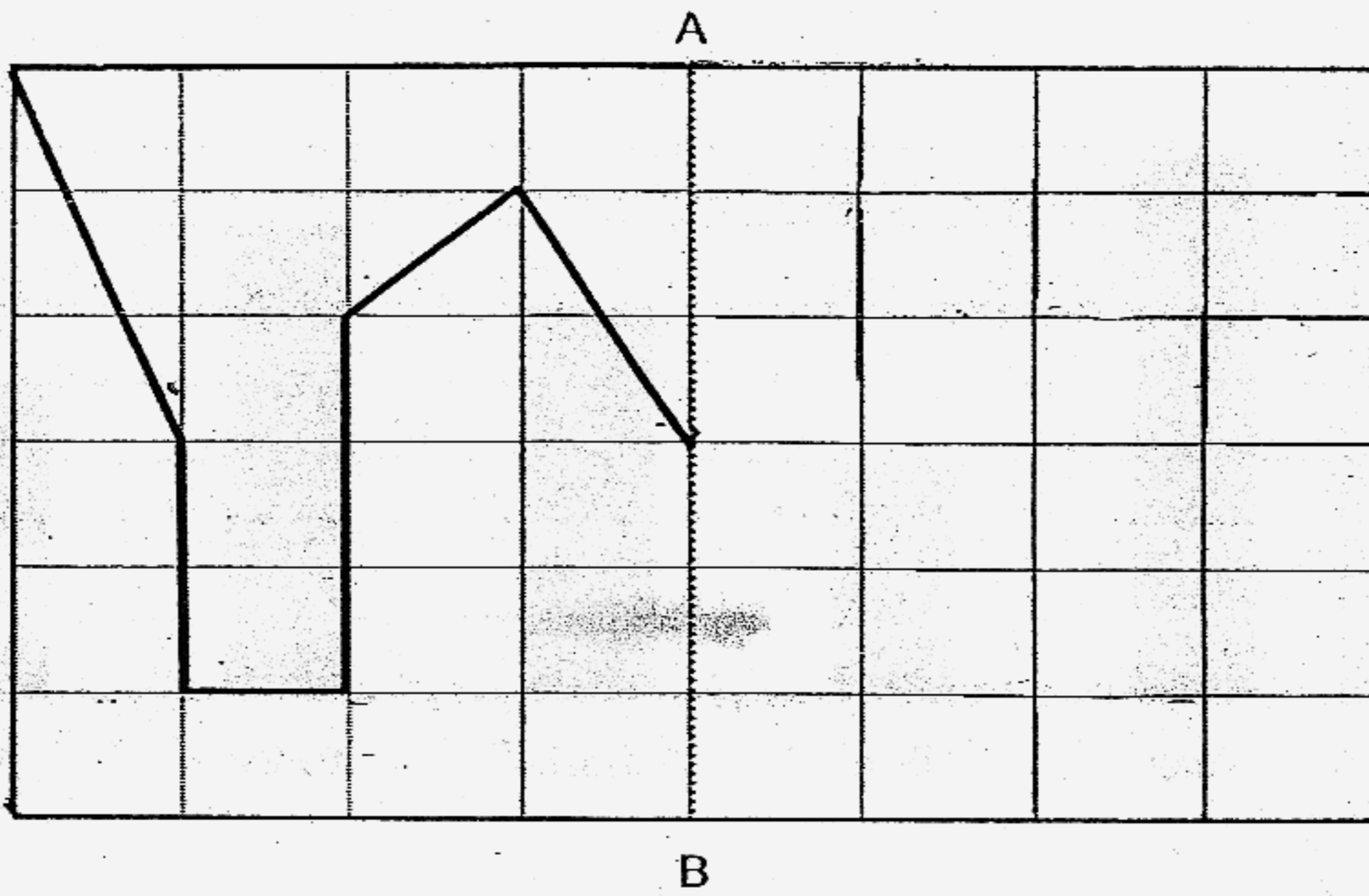14. John spent $\frac{4}{9}$ of his savings on a pair of new pants and $\frac{1}{3}$ of it on 2 shirts. What fraction of his savings had he left?
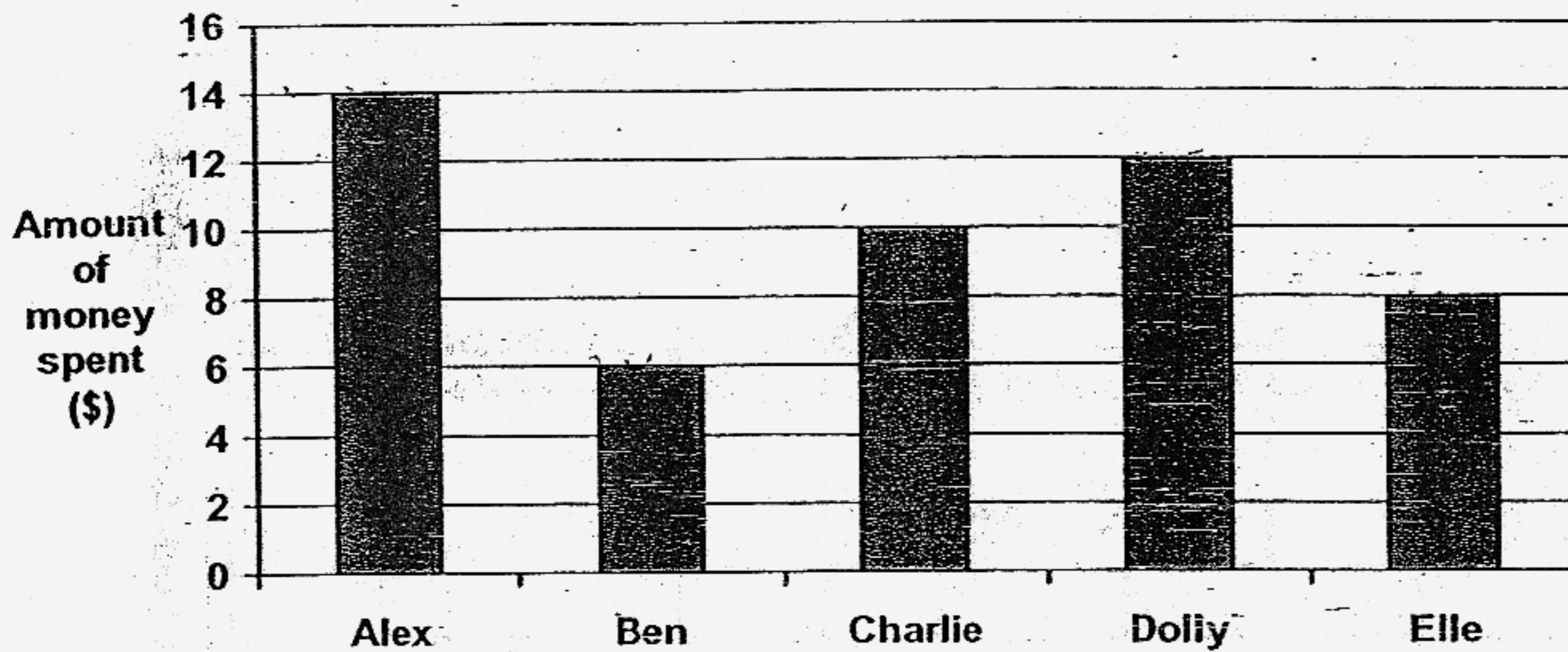
15. Arrange the following in ascending order.

$7\frac{1}{2}$, $7\frac{3}{4}$, $7\frac{3}{5}$, 7.505

16. What is the sum of 15 tens, 8 ones, 10 tenths and 13 hundredths ?

17. Complete the following symmetric figure with AB as the line of symmetry.

Refer to the graph below to answer questions 18 and 19. The bar graph below shows the amount of money spent by 5 pupils on their trip to Changi War Memorial.
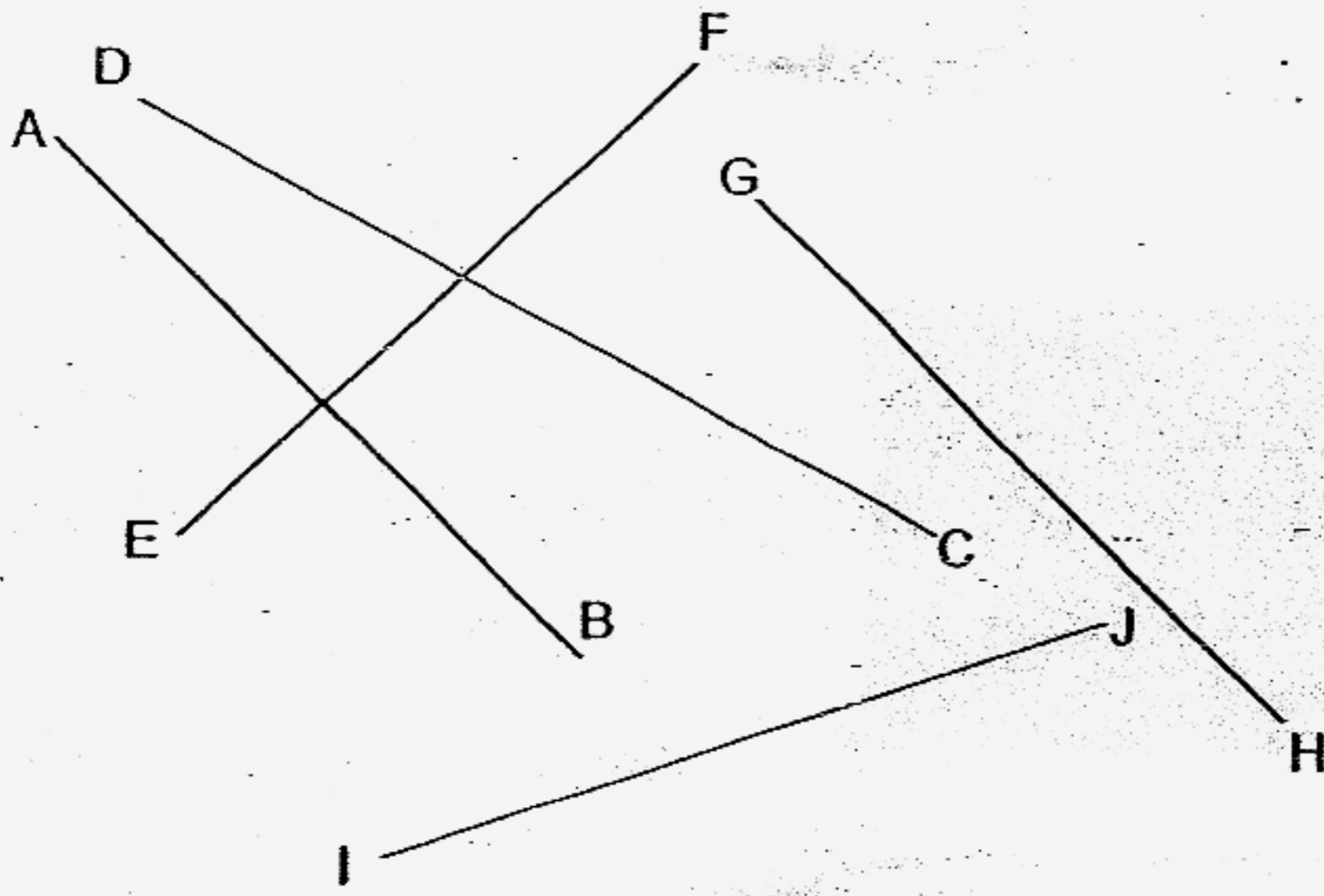

18. What is the difference between the pupil who had spent the **most** and the pupil who spent the **least**?
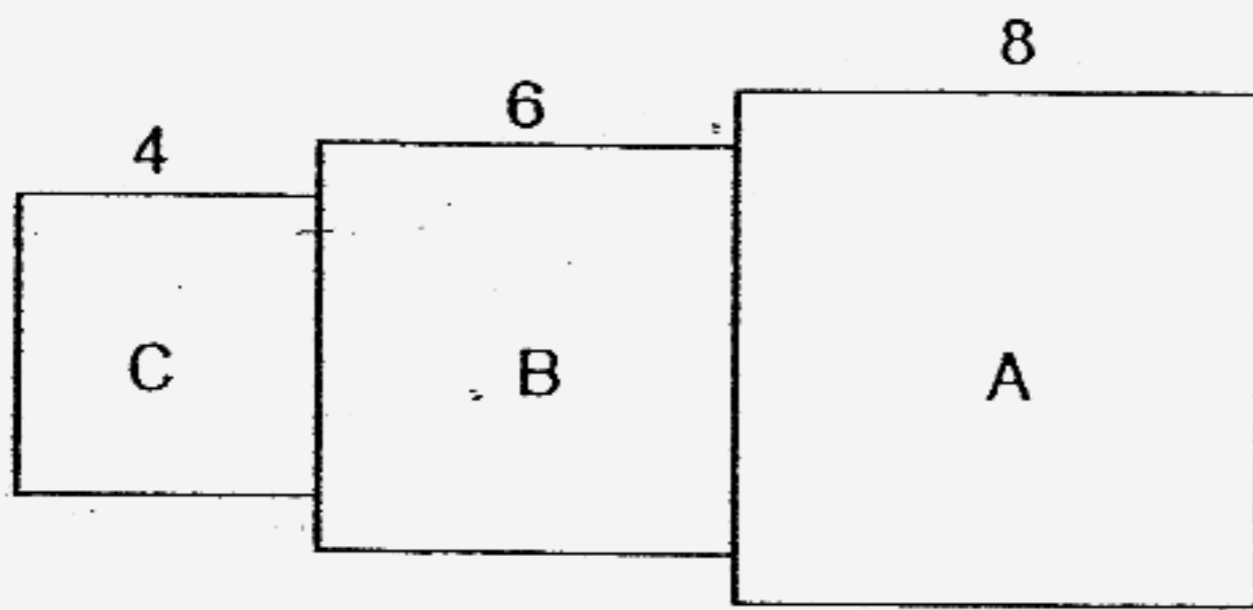
$ _____

19. What fraction of the pupils spent more than $10?

_____

4

20. The diagram below is drawn to scale. AB, CD, EF, GH and IJ are straight lines. Name one pair of parallel lines from the figure below.
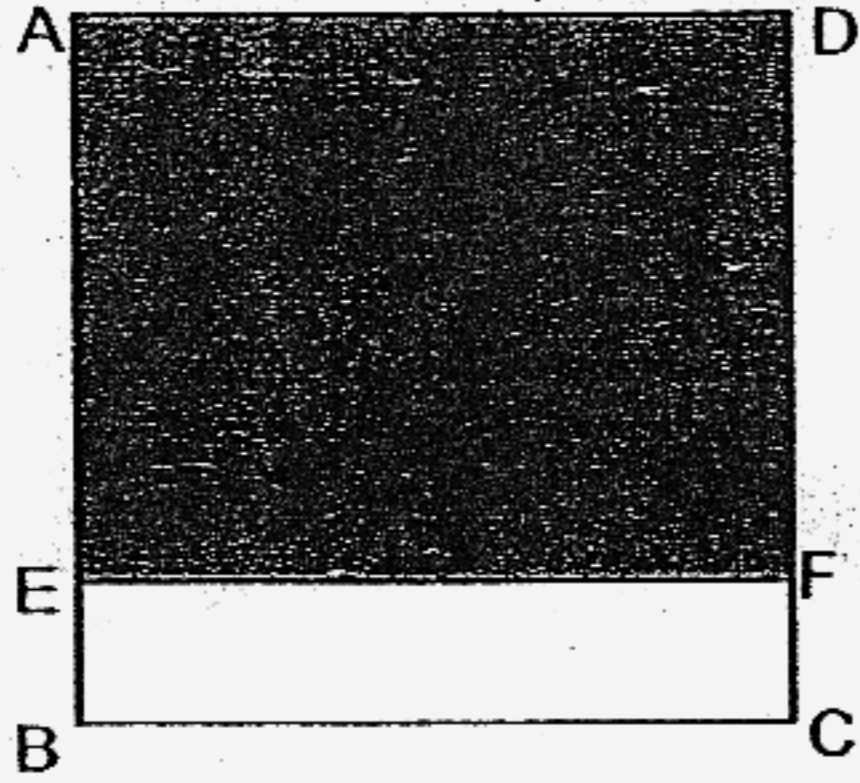

_____ // _____

21. The figure below is made up of 3 squares A, B and C. Find the perimeter of the figure. Square A is 8 cm in length, square B is 6 cm in length and square C is 4 cm in length.

_____ cm

5

22. ABCD is a square of side 50 m. The area of BCEF is $\frac{1}{5}$ of the area of ABCD. Find the area of the shaded part

_____ m^2

23. Jane bought 5 000 ml of paint. She used 2 900 ml to paint her living room. She used $\frac{1}{2}$ of the remainder to paint her bedroom. How much paint had she left?

    (Leave your answer in litres)

_____ ℓ

24. If $\frac{3}{5}$ of a number is 24, what is the number?

_____

6

25. There were 28 pens in a box. $\frac{2}{7}$ of them were black and the rest were red. How many more red pens than black pens were there?

_____ _____

26. A wire, 11.9 m long, is cut into 4 equal pieces. Each piece is made into a square. What is the perimeter of each square when rounded off to 2 decimal places?

_____ _____

27. A bag costs $11.40 and it costs 3 times as much as a pen. Jolene bought a pen and a bag. How much did she pay altogether?

$ _____ _____

28. A box with 9 story books has a mass of 6.05 kg. If the mass of each story book is 0.65 kg, what is the mass of the box when empty?
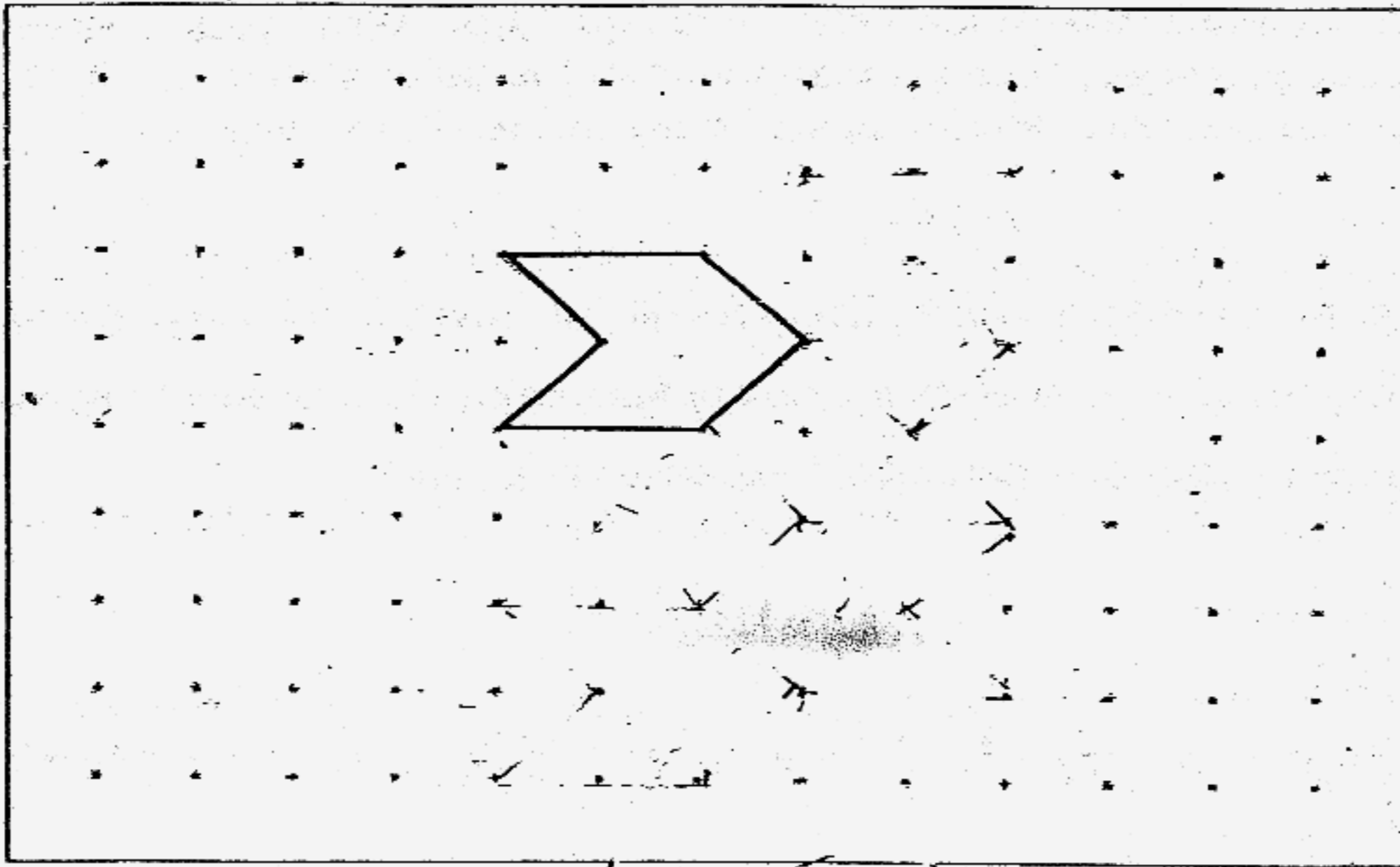(Leave your answer in kilograms)

_____ _____kg

29. What is the missing number in the box?

$$✦ + ▷ + ✦ = 5.5$$

$$▷ = 3.2$$

$$✦ = \boxed{?}$$

_____ _____

8

30. Extend the tessellation by drawing another 5 unit shapes in the space provided.

SECTION C - Problem Sums (40 MARKS)

For each question from 31 to 40, show your working and mathematical statements clearly in the space below each question. Write your answer in the answer space provided. Give your answers in the units stated and in its simplest form whenever possible. Marks awarded are shown in the brackets [   ].

31. Paul earns $1750 per month. Every month, he saves $600 and gives each of his two children $75. He spends the rest of the money on household expenses. How much will he spend on household expenses in a year?

Answer:_____   _____(4m)

32. Mrs. Lee baked 2850 apple tarts. Mrs. Choo baked twice as many apple tarts as Jamie. If Jamie baked 360 fewer apple tarts than Mrs Lee, how many apple tarts did Mrs. Choo bake?

Answer_____ (4m)

10

33. Meiling had some stickers. She gave $\frac{3}{8}$ of the stickers to Angela. She gave $\frac{2}{5}$ of the remaining stickers to Sandy. If Sandy received 12 stickers, how many stickers did Meiling have in the beginning?

Answer:_____ , _____(4m)

34. Valerie's mass is 35 kg. The total mass of Jane and Tom is 3 times as much as Valerie. If Tom's mass is 62 kg,
   (a) what is the total mass of the 3 children?
   (b) what is Jane's mass?

Answer: (a) _____ (2m)

(b) _____ (2m)

11

35. Container A has 3 times as much water as container B. Simon adds 1.25 litres of water to container A and 2 litres of water to container B. The two containers now contain the same amount of water. How much water was in container A at first?

Answer:_____(4m)

36. One coffee table and six identical chairs cost $2 040. The coffee table costs $200 less than a chair. Find the cost of the coffee table.

Answer:_____(4m)

12

37. John and Peter had an equal number of stickers. After Peter gave 27 stickers to John, John had 4 times as many stickers as Peter. How many stickers did Peter have at first?

Answer:_____(4m)

38. Mary bought an exercise book, 2 pens and 4 pencils for $3.20. The cost of 1 pen and 2 pencils is $0.90. What is the cost of 3 exercises books?
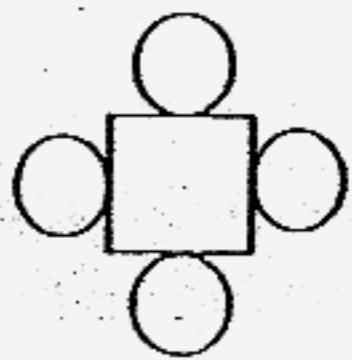
Answer:_____(4m)

13

39. Joe had some ten-cent coins and twenty-cent coins. The number of twenty-cent coins is twice the number of ten-cent coins. Their total value is $6. How many twenty-cent coins does Joe have?
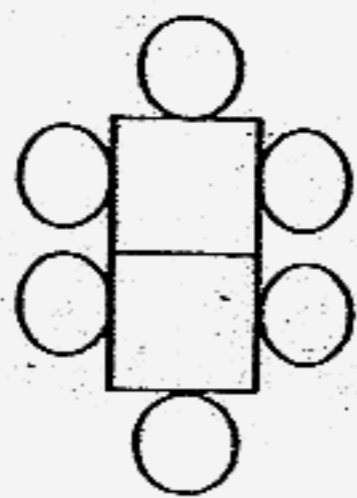
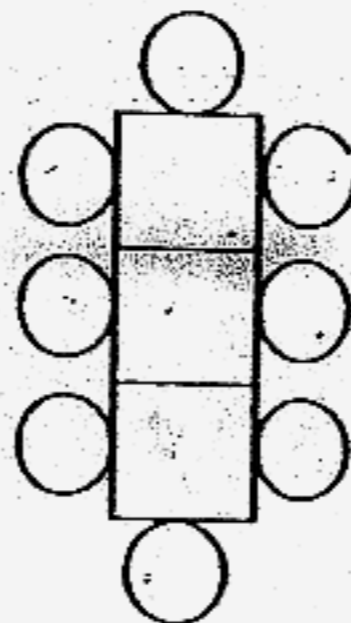Answer:_____ _____(4m)

14

40. Study the table carefully.

Pattern Number	Number of squares	Number of circles
Pattern 1	1	4
Pattern 2	2	6
Pattern 3	3	8
Pattern 5	(i)	12
Pattern 7	7	(ii)

Pattern 1   Pattern 2   Pattern 3   Pattern 5

(a) Complete the table above. (2m)
(b) Which Pattern number will have 100 circles? (2m)

Ans: (b) _____ (2m)

ACS Primary School
Primary 4 SA2 Maths Exam (2007)

Answer Keys

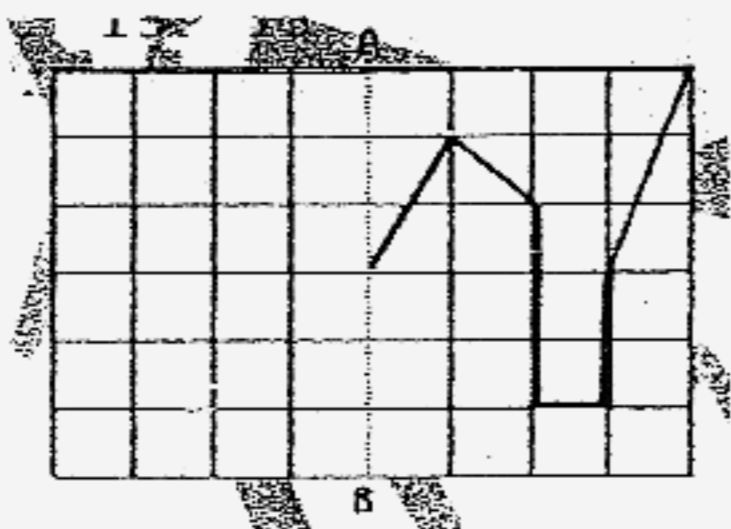|				
1) 3	2) 3	3) 4	4) 4	5) 1
6) 4	7) 4	8) 4	9) 3	10) 2

11. 35

12. 55

13. 10.869

14. $\dfrac{2}{9}$

15. $7\dfrac{1}{2}$, 7.505, $7\dfrac{3}{5}$, $7\dfrac{4}{3}$

16. 159.13

17.

18. $8

19. $\dfrac{2}{5}$

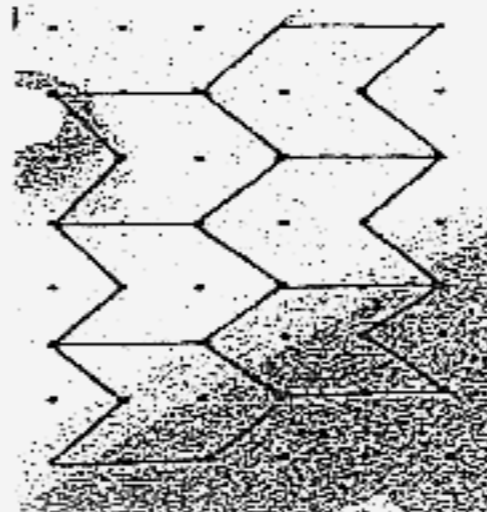20. AB//GH

21. 52cm

22. 2000m²

23. 1.05mℓ

24. 40

25. 12

26. 2.98

27. $15.20

28. 0.20kg

29. 1.15

30.

31. $1750 − $600 = $1150
    $75 x 2 = $150
    $(1150 − 150) = $1000
    $1000 x 12 = $12000
    He will spend $12000

32. 2850 − 300 = 2490
    2490 x 2 = 4980
    Mrs Choo made 4980 apple tarts.

33. 2 units = 12
    1 unit = 12 ÷ 2 = 6
    8 units = 6 x 8 = 48
    Meiling had 48 stickers at first.

34a. 35 x 3 = 105
     105 − 62 = 43kg
34b. 105 + 34 = 140kg

35. 3 units = 2ℓ
    2 units = 2.00ℓ − 1.25ℓ = 0.75ℓ
    1 unit = 0.75ℓ ÷ 2
           = 0.375
    3 units = 0.375 x 3
            = 1.125ℓ

36. $200 x 6 = $1200
    $(2040 − 1200) = $840

37. $1\frac{1}{2}$ units = 27
    4 units = 27 x 4
            = 108
    108 − 27 = 81
    Peter had $81 at first

38. $(3.20 − 0.90) = $2.30
    $(2.20 − 0.90) = $1.40
    $1.40 x 3 = $4.20

39. 24

40. 49