METHODIST GIRLS' SCHOOL (PRIMARY)

SA1

PRIMARY 4 MID-YEAR EXAMINATION 2005

MATHEMATICS

Name: _____ (   )

Class: P4._____

Marks: _____

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. Round off the product of 49 and 8 to the nearest 100.

    (1) 300
    (2) 376
    (3) 380
    (4) 400

2. How many tens are there in 24 680?

    (1) 8
    (2) 68
    (3) 468
    (4) 2 468

3. What is the difference between 658 and 4 563? The answer is 488 more than _____.

    (1) 3 417
    (2) 3 905
    (3) 4 393
    (4) 5 709

4. What is the best estimate for 588 x 62?

    (1) 500 x 60
    (2) 500 x 70
    (3) 600 x 60
    (4) 600 x 70

5. If ☁ + ✦ = 56

    and ☁ + ☁ + ☁ + ✦ = 128.

    What does ☁ stand for?

    (1) 16
    (2) 32
    (3) 36
    (4) 72

6. Which of the following is a common factor of 12, 18 and 24?

(1) 6
(2) 12
(3) 18
(4) 72

7. Find the product of the first multiple of 12 and the third multiple of 2.
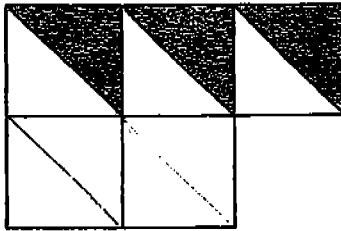
(1) 24
(2) 48
(3) 72
(4) 96

8. I am thinking of a number.
It is a common factor of 24 and 32.
It has 4 factors.
What is the number?

(1) 6
(2) 2
(3) 8
(4) 4

9. Which of the following is smaller than $\frac{1}{2}$?

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

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

(3) $\frac{11}{12}$

(4) $\frac{10}{21}$

2

10. What fraction of the figure is shaded?

    (1) $\dfrac{3}{6}$

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

    (3) $\dfrac{3}{10}$

    (4) $\dfrac{7}{10}$

11. $\dfrac{1}{3}$ □ $\dfrac{1}{2}$ = 1 □ $\dfrac{5}{6}$. The 2 operations in the boxes are _____.
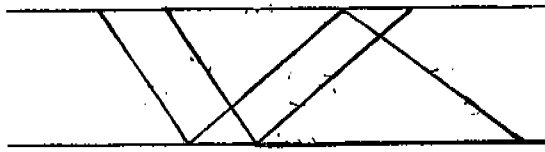
    (1) +, -
    (2) x, +
    (3) x, -
    (4) ÷, x

12. Which one of the following has the smallest value?

    (1) $\dfrac{1}{2} + \dfrac{1}{6}$

    (2) $\dfrac{1}{2} + \dfrac{1}{4}$

    (3) $\dfrac{1}{6} + \dfrac{1}{12}$

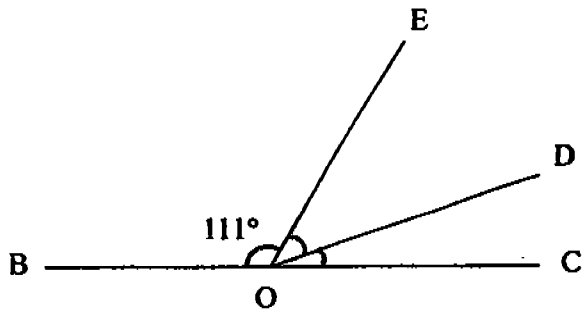   (4) $\dfrac{1}{4} + \dfrac{1}{12}$

3

13. In a class, $\frac{1}{4}$ of the pupils like hamsters, $\frac{3}{8}$ of the pupils like cats and the rest like dogs. What fraction of the class like dogs?

(1) $\frac{2}{8}$

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

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

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

14. $2\frac{3}{7}$ expressed as an improper fraction is _____.

(1) $\frac{14}{7}$

(2) $\frac{17}{7}$

(3) $\frac{23}{7}$

(4) $\frac{35}{7}$

15. Which of the following is **incorrect**?

(1) $\frac{5}{6} + \frac{7}{6} = 2$

(2) $\frac{2}{5} \times 4 = 1\frac{3}{5}$

(3) $2\frac{5}{8} - 2\frac{1}{4} = \frac{1}{2}$

(4) $1\frac{1}{4} + 2 = \frac{13}{4}$

16. There are _____ eighths in $3\frac{3}{4}$.

(1) 12
(2) 15
(3) 24
(4) 30

4

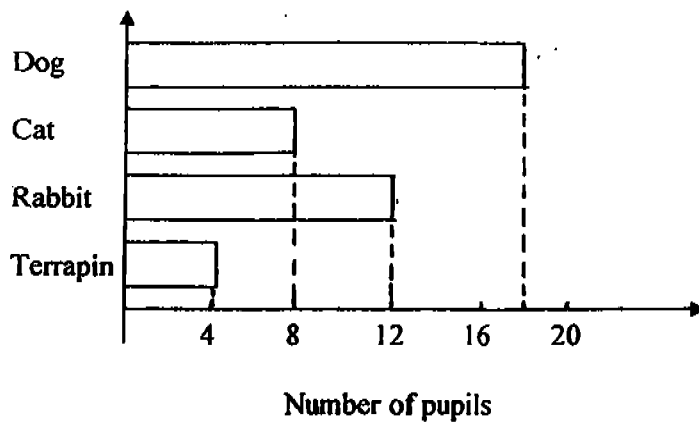17. How many pairs of parallel lines are there in the figure below?

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

18. BC is a straight line. If ∠BOE is 3 times of ∠EOD, find ∠DOC.

(1) 32°
(2) 37°
(3) 69°
(4) 71°

The graph below shows the pets owned by 4̲4̲ pupils in Primary 4. Study it carefully and answer questions 19 and 20.

Number of pupils

19.   Which animal is the least popular pet?

(1)   Cat
(2)   Dog
(3)   Rabbit
(4)   Terrapin

20.   How many more pupils prefer rabbits to cats?
(1)   20
(2)   12
(3)   8
(4)   4

6

Fill in the blanks with the correct answers.

21.   In 35 x 456 = 400 x 35 + 35 x _____, what is the missing number?

Ans: _____

22.   When a number is divided by 7, it gives a quotient of 9 and a remainder of 3.
       What is the number?

Ans: _____

23.   What is the greatest multiple of 11 that is smaller than 130?

Ans: _____

24.   List all the factors of 24 which are also multiples of 4.

Ans: _____

25.   What is the value of the digit '5' in 53 689?

Ans : _____

26.   Subtract 644 from 578 hundreds. Round off your answer to the nearest 10.

Ans : _____

7

27. $\dfrac{4}{7} = \dfrac{32}{56} = \dfrac{\square}{84}$
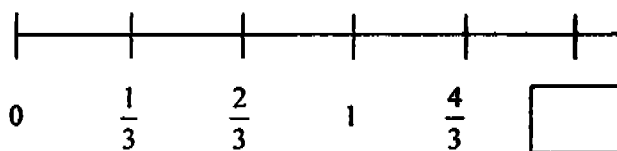
What is the missing numerator in the box?

Ans: _____

28. Find the product of $\dfrac{3}{6}$ and $\dfrac{12}{27}$.

Ans: _____

29. $56 \times \dfrac{1}{8} = \boxed{} \div 10$. What is the missing number?

Ans: _____

30. The fraction in the box is _____. Give your answer as a mixed number.

```
|----+----+----+----+----+----|
0    1/3  2/3   1   4/3  [    ]
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Ans: _____ / _____

31. Arranging the following fractions in **increasing order:**

$\dfrac{15}{12}, \dfrac{6}{7}, \dfrac{2}{5}, \dfrac{11}{2}.$
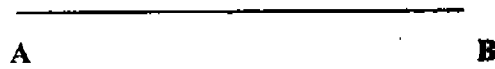
Ans: _____

8

32. $\dfrac{35}{5} = \boxed{} + \dfrac{3}{10}$. Express your answer as a mixed number.
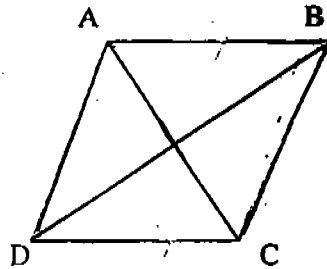
Ans : _____

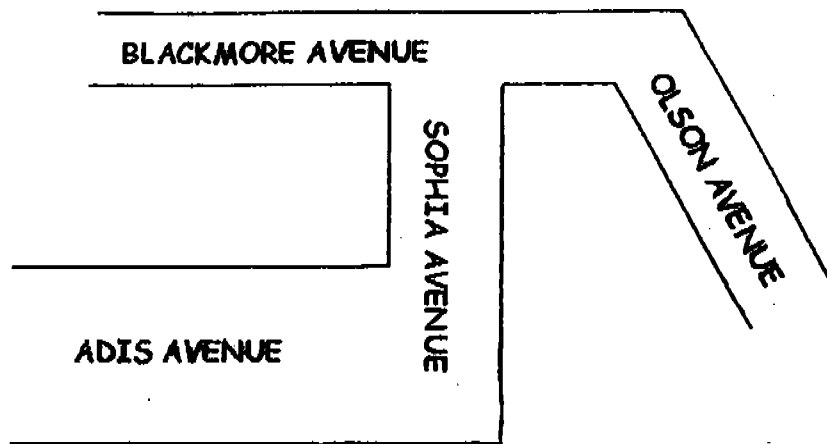33. Draw a line parallel to AB through point Q.

· Q

A _____ B

34. Name a pair of perpendicular lines in the following figure.
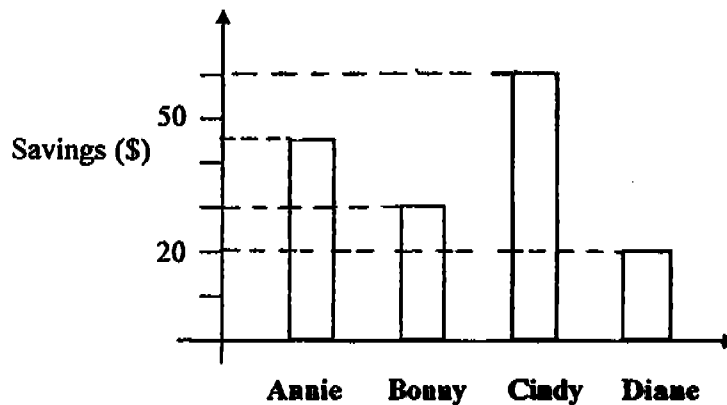

Ans: _____

9

35. Look at the map below.
     May's house is along Blackmore Avenue. Jean's house is along the road that is
     perpendicular to May's house. Jean's house is along _____ Avenue.

BLACKMORE AVENUE

SOPHIA AVENUE

OLSON AVENUE

ADIS AVENUE

Ans: _____, _____

The graph below shows the savings of 4 girls. Study it carefully and answer questions 36 and 37.

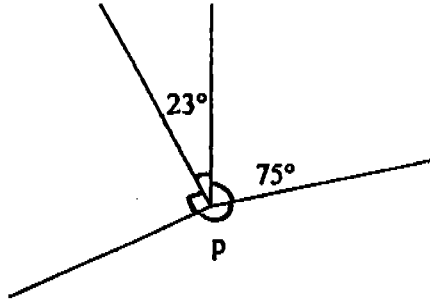Savings ($)

50

20

Annie   Bonny   Cindy   Diane

36. How much did Bonny have at first if she spent $90?

Ans: $_____

10

37. If each girl was given the same amount of money at first, who spent the most money?
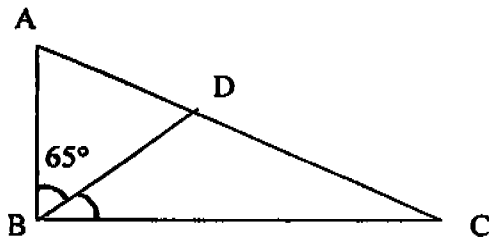
Ans: _____ _____

38. The diagram below is not drawn to scale. What is ∠p?

23°

75°

P

Ans: _____°

39. A

D

65°

B C

ABC is a right-angled triangle. Find ∠ DBC.

Ans: _____°

11

40.   Draw ∠ABC of size 168 °.

A   B

Section C (5 x 4 marks)
Answer all questions.
All workings must be clearly shown.

41.   Pamela sold 268 pens at a fair. She sold 179 of them at $3 each and the rest of the pens at
       $2 each. She then spent $350 from the money she had collected. How much money had she
       left from the sale of the pens?

                                                                            Ans : _____ [4]

42.   A digital camera cost $720 more than a video camera. Keith paid $5 370 for a digital
       camera and 4 video cameras. Find the cost of the digital camera.

                                                                            Ans : _____ [4]

13

43.   The table below shows the marks obtained by Megan.

SUBJECT	MARKS
English	85
Mother Tongue	79
Mathematics	
Science	
Social Studies	80

Megan's total marks was 414. She scored 8 more marks in Mathematics than in Science.

a)   How many marks did Megan score for Mathematics?
b)   What is the difference in marks scored between English and Science?

Ans : a)_____ _____ _[3]

b) _____ _____[1]

14

44.   Sherry gave 26 of her stickers to her sister. She gave her best friend 8 stickers less than what she gave her sister. She then had 8 stickers left. What fraction of her stickers did she give to her best friend? Express the fraction in the simplest form.
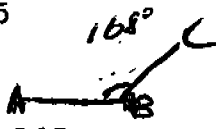
Ans : _____[4]

45.   Amanda was given $\frac{1}{5}$ of a sum of money. Beth was given $\frac{3}{8}$ of the remainder.

(a) What fraction of the sum of money was left?

(b) If the total sum of money was $80, what was the sum of money given to Beth?

THE END

15

1) 4

2) 4

3) 1

4) 3

5) 3

6) 1

7) 3

8) 3

9) 4

10) 3

11) 3

12) 3

13) 2

14) 2

15) 3

16) 4

17) 3

18) 1

19) 4

20) 4

21) 56

22) 66

23) 121

24) 12

25) 50000

26) 57160

27) 48

28) 2/9

29) 70

30) 1 2/3

31) 2/5   6/7   15/12   11/2

32) 67/10

33)

34) AC ⊥ DB

35) Sophia

36) $ 120

37) Diane

38) 172

39) 25

40)

41) $ 365

42) $ 1650

43) a) 89   b) 4

44) 9/26

45) a) 1/2   b) $ 24