

**ZIMBABWE REPUBLIC POLICE SCHOOLS**

**GRADE 7 MOCK EXAMINATIONS 2015**

**MATHEMATICS PAPER 1**

**SEPTEMBER 2015**

**TIME: 2HRS**

1. Ninety thousand and nineteen in number symbol is
  - A. 19090
  - B. 90090
  - C. 90019
  - D. 90900
  
2. What is the value of the underlined digit in  $4\underline{1}375$ ?
  - A. 1
  - B. 1000
  - C. 100
  - D. 10 000
  
3. Round off 7, 19 to the nearest whole number.
  - A. 7
  - B. 8
  - C. 72
  - D. 8, 1

4. What number does the following picture show?

H	T	U	1/10
•••		••	••• ••• ••
••• •••	••• ••• •••	• ••• •••	•

- A. 6971
- B. 3928
- C. 302, 8
- D. 3.28

5. MCXVII in numeral is \_\_\_\_\_

- A. 627
- B. 617
- C. 1 117
- D. 5 017

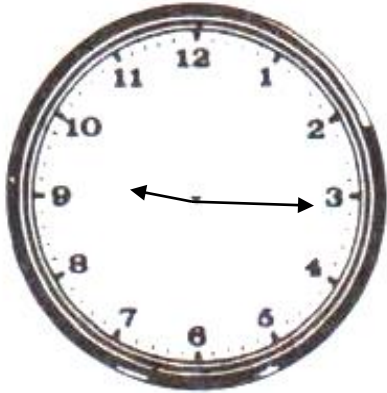
6.  $6^3 + 6 \times 2 =$

- A. 48
- B. 228
- C. 2 592
- D. 18

7.  $2\frac{2}{3} + 1\frac{5}{6} =$

- A.  $3\frac{1}{2}$
- B.  $4\frac{5}{6}$
- C.  $4\frac{1}{2}$
- D.  $5\frac{1}{3}$

8. If the clock is  $1\frac{1}{2}$  hrs ahead. The correct time is?

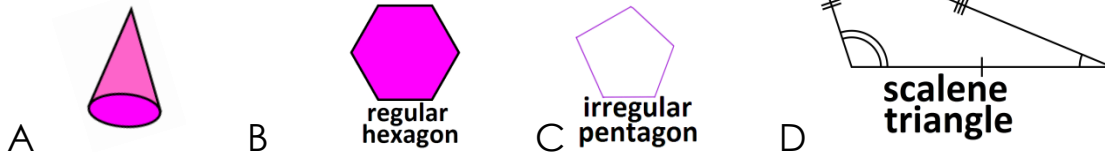


- A. 8:46
  - B. 8:30
  - C. 9:30
  - D. 9:15
9. In our district there were 47 053 people. If 29 165 were children, how many adults were in the district
- A 17 888
  - B 17 988
  - C 18 888
  - D 29 888
10. Mrs Biti buys a bag of rice for \$25. She then divides it into 5 packets and sells each packet for \$7. What was the percentage profit?
- A 10%
  - B 20%
  - C 30%
  - D 40%
11.  $0,003 + 2 + 0,1$  is \_\_\_\_\_.
- A 0,006
  - B 2,13
  - C 2,103
  - D 2,013

12. The simple interest on a loan of \$360 for half a year at 5% per annum is \_\_\_

- A \$90
- B \$9
- C \$1, 44
- D \$900

13. Which shape is symmetrical?



14. In a grade seven class there are 45 learners. If  $\frac{2}{3}$  of them are girls, how

many of them are boys

- A 27
- B 5
- C 30
- D 15

15. Convert one complete revolution to degrees.

- A.  $90^{\circ}$
- B.  $180^{\circ}$
- C.  $270^{\circ}$
- D.  $360^{\circ}$

16. The net mass of a tin of beans is 450g. The tin has a mass of 115g What is the gross mass of the tin of beans?

- A. 565g
- B. 335g
- C. 425g
- D. 225g

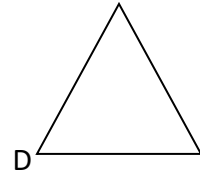
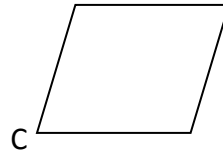
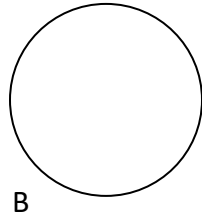
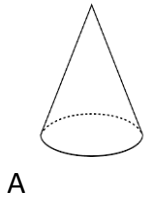
17. The table below shows the heights of five boys.

<b>Name</b>	Takunda	Munashe	Tapiwa	Jack	Mike
<b>Height</b>	145cm	153cm	140cm	164cm	152cm

Find the average height of the five boys?

- A. 145cm
  - B. 150, 8cm
  - C. 164cm
  - D. 154cm
18. For a parents meeting, 26 chairs were put in each row, how many chairs were arranged if there were 34 rows?
- A. 784
  - B. 884
  - C. 1204
  - D. 234
19. What is the sum of 2,13 and 5,1?
- A. 7, 23
  - B. 2, 64
  - C. 3, 97
  - D. 2, 79
20. Write  $1\frac{3}{8}$  as an improper fraction.
- A.  $\frac{8}{8}$
  - B.  $\frac{11}{8}$
  - C.  $\frac{11}{3}$
  - D.  $1\frac{3}{8}$
21. What is the product of 72, 22 and 2, 9?
- A. 209, 438
  - B. 22 388
  - C. 209, 388
  - D. 8, 492

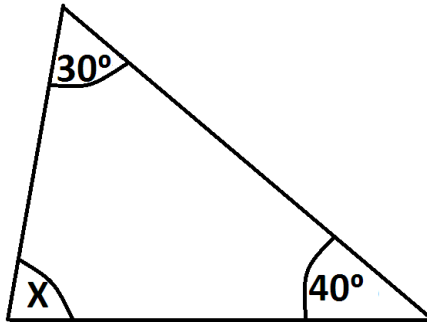
22. Which among the following shapes is a quadrilateral?



23.  $95 - 5 \times 4 + 77 =$

- A. 441
- B. 152
- C. 87
- D. 2

24. The angle marked X in the figure is \_\_\_\_\_.

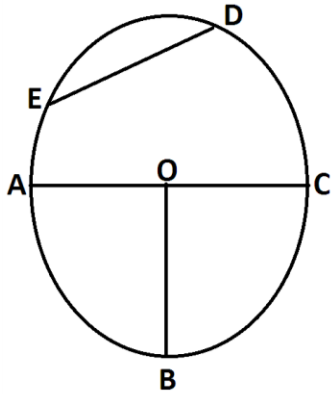


- A.  $110^\circ$
- B.  $70^\circ$
- C.  $40^\circ$
- D.  $30^\circ$

25. Apples are sold at one dollar for 5. How much are 8 apples?

- A. \$1.60
- B. \$1
- C. \$5.80
- D. \$2.00

26. The name of line DE in the diagram is \_\_\_\_\_

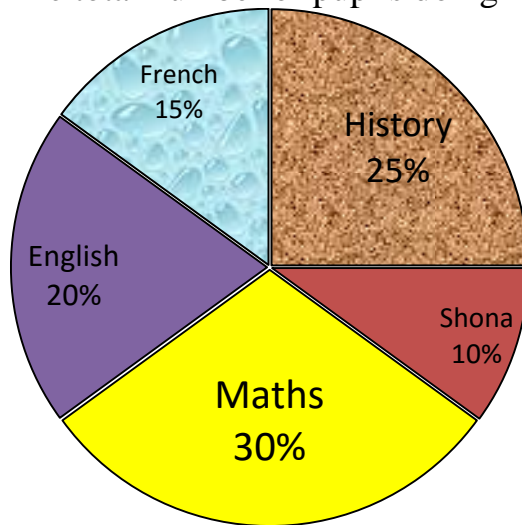


- A. segment
- B. diameter
- C. chord
- D. radius

27. A container holds  $1\ 800\text{cm}^3$  of water when  $\frac{1}{5}$  full. What is the full capacity?

- A  $1\ 800\text{cm}^3$
- B  $3\ 600\text{cm}^3$
- C  $7\ 200\text{cm}^3$
- D  $9\ 000\text{cm}^3$

28. The 350 pupils at a school. The pie chart shows subjects taken by pupils at school. The total number of pupils doing Maths is \_\_\_\_\_.



- A. 70
- B. 35
- C. 105
- D. 87

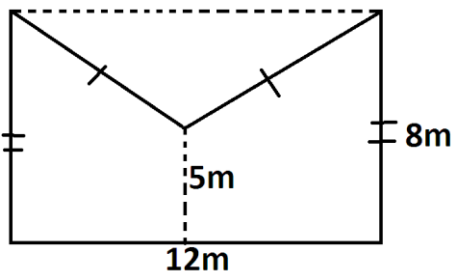
29. A bus travelled 360km in 3 hrs. Its speed was.

- A 1 080km/h
- B 120km/h
- C 363km/h
- D 357km/h

30. 10 guards share  $3\frac{1}{2}$  hours of guard duty equally among them. How many minutes does each guard serve?

- A 21 mins
- B 20mins
- C 19mins
- D 18mins

31. The area of the shape is \_\_\_\_\_.



- A.  $48cm^2$
- B.  $78cm^2$
- C.  $96cm^2$
- D.  $40cm^2$

32. Which of the following number is a square number?

- A. 3
- B. 12
- C. 13
- D. 81

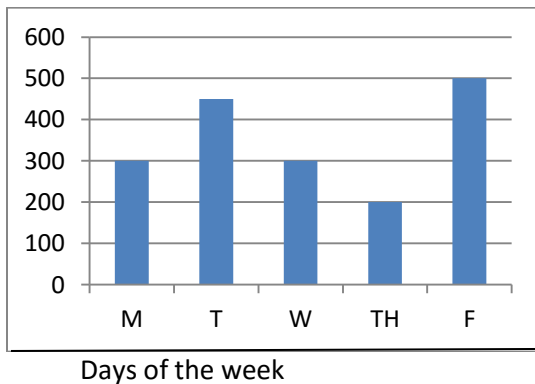


33. Bridget, Farisayi and Danai weigh 45kg, 55kg and 20kg respectively. Calculate their average mass.
- A 90kg
  - B 40 kg
  - C 80kg
  - D 60 kg
34.  $3\frac{3}{4} \div 1\frac{2}{3}$
- A  $6\frac{1}{4}$
  - B  $2\frac{1}{4}$
  - C  $1\frac{1}{4}$
  - D  $4\frac{5}{7}$
35. The average of seven numbers is 53. The sum of the first five numbers is 300. The sixth number is 1 less than the seventh number. What is the seventh number?
- A. 35
  - B. 36
  - C. 40
  - D. 45
36. Eight people finish a bag of 50kg mealie- meal in 10days. Eating at the same rate per person 2 men will finish the bag in\_\_\_\_\_.
- A 40 days
  - B 60 days
  - C 80 days
  - D 20 days.
37. Increase 2 656 by 1 044
- A 2 700
  - B 4 700
  - C 3 700
  - D 1 612

38. A rectangular tank with volume of  $160\text{m}^3$  is 5m wide by 4m deep. Its length is
- A 8m
  - B 20m
  - C 32m
  - D 40m
39.  $2^{1/2} + 4^{1/4} - 2^{3/4}$  gives
- A.  $3^{1/4}$
  - B.  $6^{3/4}$
  - C.  $2^{3/4}$
  - D. 4
40. Arrange in ascending order the fractions  $\frac{5}{6}, \frac{2}{3}, \frac{1}{2}, \frac{5}{6}$
- A  $\frac{1}{2}, \frac{5}{9}, \frac{2}{3}, \frac{5}{6}$
  - B.  $\frac{1}{2}, \frac{5}{6}, \frac{5}{9}, \frac{2}{3}$
  - C  $\frac{1}{2}, \frac{2}{3}, \frac{5}{6}, \frac{5}{9}$
  - D  $\frac{5}{6}, \frac{2}{3}, \frac{5}{9}, \frac{1}{2}$
41. Mrs Chibage is facing south west, she turns two and half right angles in anti-clockwise direction. Where is she facing now?
- A south
  - B north
  - C west
  - D east
42. The perimeter of a square is 32cm. What is its area?
- A  $32\text{cm}^2$
  - B  $16\text{cm}^2$
  - C  $8\text{cm}^2$
  - D  $64\text{cm}^2$
43. A shop owner bought hoes for \$60 and sold them for \$48. What was his percentage loss?
- A. 20%
  - B. 25%
  - C. 15%
  - D. 12%

44. If there are 700 pupils in a school and  $\frac{5}{14}$  are girls, how many are boys?
- A 350
  - B 450
  - C 300
  - D 400
45. Complete the sequence 5; 6; 8; 11; 15; \_\_\_\_\_.
- A 19
  - B 20
  - C 16
  - D 21

**The graph shows the number of cattle dipped at Mleja dip tank in one week. Use it to answer questions 46 and 47.**



46. On which day did the least number of cattle come for dipping?
- A. Monday
  - B. Tuesday
  - C. Thursday
  - D. Friday
47. What is the difference between the number of cattle dipped on Monday and those dipped on Friday?
- A. 200
  - B. 300
  - C. 450
  - D. 500

48.  $(56 + 16) \div (6 \times 2)$  is.....
- A 6
  - B 12
  - C 24
  - D 72
49. If \$240 is shared among three children in the ratio 1:3:4, the largest share is
- A \$90
  - B \$30
  - C \$120
  - D \$360
50.  $7 \times 7 = 49$ . Therefore  $0.7 \times 0.7 = \dots$
- A. 490
  - B. 0.49
  - C. 49
  - D. 0.0049