

# The Grange Christian School

## Grade 7 2014

### Mid Year Examination

### Mathematics Paper 1

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Answer all questions

1. The value of ten \$1 000 and six \$500 banknotes is

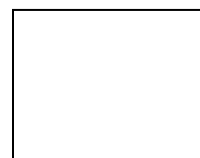
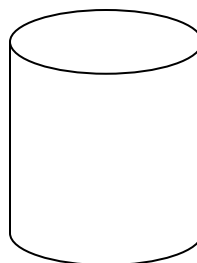
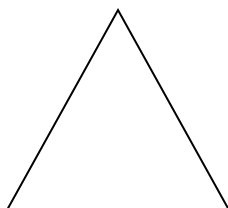
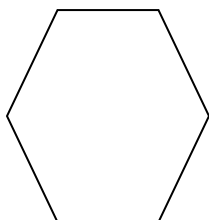
- A. \$3 000      B. \$10 000      C. \$13 000      D. \$15 000

2.  $345 - 430 + 264 =$

- A. 179      B. 239      C. 349      D. 359

3. What is the number shown by the abacus?

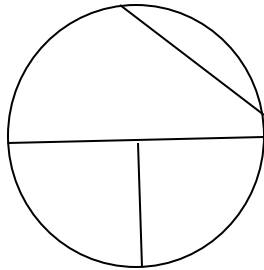
4. Which among these shapes are three dimensional?



5. The difference between one revolution and three right angles is

- A.  $45^{\circ}$       **B.  $90^{\circ}$**       C.  $180^{\circ}$       D.  $270^{\circ}$

6.



The straight line marked CE is a

- A. Diameter      B. Radius      C. Circumference      **D. chord**

7.  $0,7 \times 6,3 =$

- A. **4.41**      B. 7,00      C. 9,00      D. 441,00

8.  $1\,000 - \frac{2}{5}$  of 250 =

- A. 100      B. 150      C. 500      **D. 900**

9. A motorist took 5 hours to travel a distance of 450km. His average speed was

- A. 60 km/h      B. 70 km/h      C. 80 km/h      **D. 90 km/h**

10. 0,009 litres is;

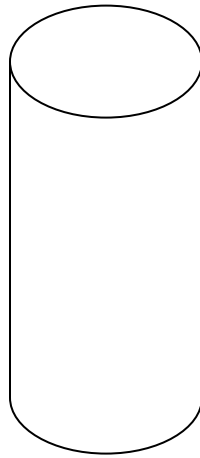
- A. 90 ml      **B. 9 ml**      C. 0,9 ml      D. 0,09ml

11. A class has 40 pupils and 24 of them are boys. The percentage of girls in the class is
- A. 16      B. 24      **C. 40**      D. 60
12. A tank holds one cubic metre of water when full. When it is 80% full it holds
- A. 20l      B. 80l      C. 200l      **D. 800l**
13. 56,794 rounded off to the nearest whole number is;
- A. 60      B. 50      **C. 57**      D. 57 794
14. The number which is not a multiple of 7 is;
- A. 21      B. 35      **C. 47**      D. 63
15. David and Peter shared 98 oranges. David got 6 times as much as Peter. David's share was
- A. 14      B. 16      C. 49      **D. 84**
16. Six children shared  $1\frac{1}{2}$  loaves of bread equally. What fraction of a loaf did each get?
- A.  $\frac{1}{8}$       B.  $\frac{1}{6}$       **C.  $\frac{1}{4}$**       D.  $\frac{1}{3}$
17. If the price of a suit was increased by 12% from \$12 700, then the new price is
- A. \$1524      B. \$3 175      **C. \$14 224**      D. \$11 176
18. The average age of Tsitsi, Tambudzai and Netsai is 12. If Tsitsi and Tambudzai are aged 10 and 9 respectively, then Netsai's age is
- A. **17**      B. 19      C. 21      D. 26

19. On the last day of the school term there were 479 boys and 515 girls present. If 42 boys and 35 girls were absent, then the school's total enrolment was

- A. 917      B. 994      C. 1 051      **D. 1 071**

20.



The diagram above shows a tube 10cm long which is open at both ends. It has a circumference of 8cm. What is the outside area of the tube?

- A.  $18\text{cm}^2$       B.  $90\text{cm}^2$       **C.  $80\text{cm}^2$**       D.  $108\text{cm}^2$

21.  $\frac{6}{9} \times 2\frac{1}{4} =$

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

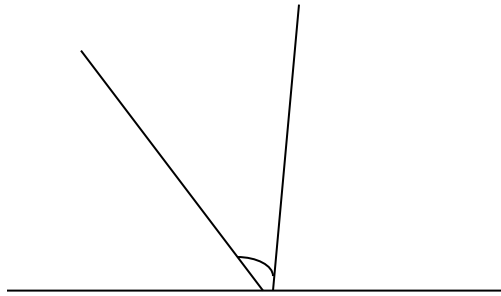
22.  $1\,111 - 505 =$

- A. 909      B. 1 616      C. 504      **D. 606**

23. What distance does a lorry travelling at 80km/hr cover in 4 hours?

- A. 76km      B. 20km      C. 84km      **D. 320km**

24.



What name is given to the angle marked x?

- A. Obtuse angle      **B. Acute angle**      C. Reflex angle      D. right angle

25. When a tank is 25% full, it contains 40 litres of water. The capacity of the tank is

- A. 65l      **B. 160l**      C. 150l      D. 10l

26. The number of hours and minutes from 4.25 a.m. to 11.15 a.m. on the same day is

- A. 15hrs 40min      **B. 6hrs 50min**      C. 6hrs 40min      D. 7hrs 50min

27. Kundai bought a television set for \$3 000. She later sold it making a profit of 20%. How much did she sell the television set for?

- A. \$600      B. \$2 400      C. \$3 020      **D. \$3 600**

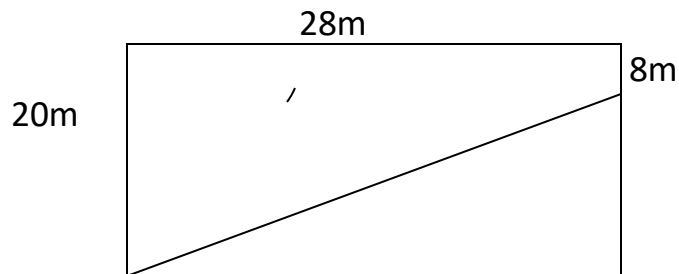
28. Takudzwa had \$65, 00 in his bank account. He made a withdrawal of \$25, 00 on one day and then a deposit of \$10, 00 on another day. What was his new balance?

- A. **\$50, 00**      B. \$100, 00      C. \$90, 00      D. \$75,00

29. A car crosses a bridge 1000m long in one minute. Its average speed in km/hr is

- A. 100      B.  $\frac{1}{60}$       C. 16, 6      D. 60

30. A lorry can carry a load of 5 tonnes. How many bags of cement each weighing 50kg can it carries?
- A. 250      **B. 100**      C. 10      D. 45
31. Mrs Nyama's rectangular garden is 150m long and 120m wide. What is the area of the garden in hectares?
- A. 1 800ha      B. 180ha      C. 18ha      **D. 1,8h**
32. A rectangular tank has a volume of  $160\text{m}^3$ . It is 5m wide and 4m deep. Its length is
- A. **8m**      B. 40m      C. 20m      D. 32m
33. Six men can finish a job in 24 hours. Working at the same rate , 8 men would finish the job in;
- A. 32 hrs      B. 16 hrs      C. 20 hrs      **D. 18 hrs**
34. A room measures 8 metres by 7 metres. What is the cost of tilling the floor if it costs \$8 per square metre?
- A. \$64,00      B. \$560      **C. \$448**      D. \$44,80
35. What is the area of the shaded part



- A. **392m<sup>2</sup>**      B. 560m<sup>2</sup>      C. 160m<sup>2</sup>      D. 56

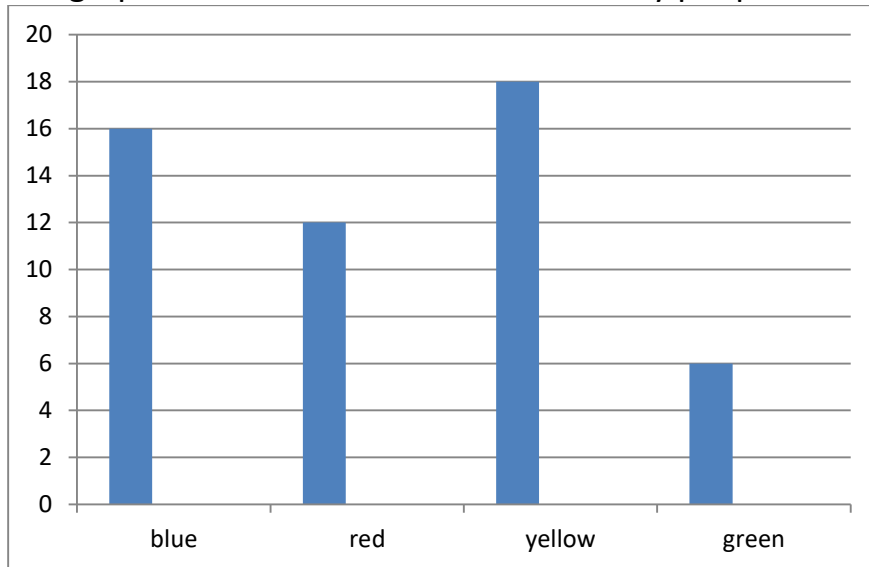
36. A school term ends on 12 December and the following term starts on 19 January of the following year. The number of days for the school holiday is
- A. **35**                      B. 36                      C. 37                      D. 38
37.  $\frac{27}{36}$  in its lowest terms is;
- A.  $\frac{1}{3}$                       B.  $\frac{2}{3}$                       C.  $\frac{9}{12}$                       **D.  $\frac{3}{4}$**
38. The cost of 8 sweets is \$4, 80. If Tawanda buys 10 such sweets, the change he gets from \$10,00 is
- A. \$0, 60                      B. \$0, 48                      **C. \$4, 00**                      D. \$6,00
39. Amos sent a telegram which cost 4c a word. The cost of telegram of 24 words was
- A. \$1, 06                      B. \$0, 28                      C. \$9, 60                      **D. \$0,96**
40. A helicopter flies at 250km/h. The time it takes to cover 1 000km is
- A. **4hrs**                      B. 40hrs                      C. 100hrs                      D. 400hrs
41. The difference between 5 and 0,05 is
- A. 49, 5                      B. 5, 05                      **C. 4, 95**                      D. 0,495
42. The H.C.F of 12, 24 and 48 is
- A. 24                      B. 48                      **C. 12**                      D. 6

43.  $9,1 \times 0,9$  is
- A. 81, 9      **B. 8, 19**      C. 0,819      D. 0,0819
44. 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
45. Eight people finish a bag of 50kg mealie meal in 10 days. Eating at the same rate 2 men will finish the bag in;
- A. **40 days**      B. 60 days      C. 80 days      D. 20 days
46. James read 35% of the pages in a book on Wednesday, 25% on Thursday, and the remaining 80 pages on Friday. The total number of pages in the book is
- A. 140      **B. 200**      C. 320      D. 120
47. A shirt is marked \$20. If 5% discount is offered for cash, what is the discount?
- A. \$19      B. \$15      C. \$4      **D. \$1**
48. Craig is facing north. If he turns  $2\frac{1}{2}$  right angles clockwise, which direction is he now facing?
- A. **South West**      B. West East      C. South East      D. North East



**Use the graph below answer questions 49 and 50**

The graph shows colours of clothes worn by people at Grace's birthday party.



49. What is the difference between the most and least worn colour?

- A. 24      B. 28      **C. 12**      D. 6

50. What is the average of colours worn on this day?

- A. 52      B. 12      C. 42      **D. 13**