**ALPHA UNIVERSITY BORAMA**

**Assignment of math’s methods**

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**The assignment**

**Individual assailment the assignment 30 marks**

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1. Simplest form of 12:16 is 3:4
2. **$120 divided in the ratio 2:3 is $48 and $72**.
3. **Answer:** There are **16 cats** in the pet shop
4. **Answer:** The rate of pay is **$30 per hour**
5. **Answer:** Yes, the ratios **6:9** and **8:12** are proportional.
6. **Answer:** 5 shirts would cost **$75** at the same rate
7. **Answer:** 12 pens would cost **$24**
8. **Answer:** The ratio of boys to the total number of students is **3:5**.
9. **Answer:** 25% of 480 is **120**.
10. **Answer:** The original price of the jacket was **$187.50**
11. **Answer:** The salesperson earns **$100** in commission on $2,000 worth of sales
12. **Answer:** The original number is **300**
13. **Answer:** The simple interest is **$180**.
14. **Answer:** The total amount after 3 years is **$2,662**.
15. **Answer:** The total amount to be repaid at the end of 2 years is **$2,240**.