Name: **Muna Dahir Awed**

Faculty: Social work

ID.435

The assignment

Individual assailment

the assignment 30 marks

Express the ratio 12:16 in its simplest form.

Answer: 3:4

Divide $120 in the ratio 2:3.

Answer:48 :72

The ratio of cats to dogs in a pet shop is 4:7. If there are 28 dogs, how many cats are there?

Answer: 16

If a person earns $240 for working 8 hours, what is the rate of pay per hour?

Answer: 30 per hour

Are the ratios 6:9 and 8:12 proportional?

If 3 shirts cost $45, how much would 5 shirts cost at the same rate?

Answer: 75

If 5 pens cost $10, how much do 12 pens cost?

A class has 18 boys and 12 girls. What is the ratio of boys to the total number of students?

Find 25% of 480.

A jacket is sold for $150 after a 20% discount. What was the original price?

A salesperson earns a 5% commission on sales. If they sell goods worth $2,000, how much commission do they earn?

Answer: 100

If 60% of a number is 180, what is the original number?

Answer: 300

Find the simple interest on S1,200 at a rate of 5% per annum for 3 years.

A sum of $2,000 is invested at 10% per annum for 3 years compounded annually. Find the total amount.

1	2,000	10%*2,000=200	2,000+200=2,200
2	2,200	10%*2,200=220	2,200+220=2,420
3	2,420	10%*2420=242	2420+242=2,662

Answer: 662

A loan of $2,000 is given for 2 years at a rate of 6% per annum. What is the total amount to be repaid at the end of the period?

Answer: 2,000*0.06*2= 240