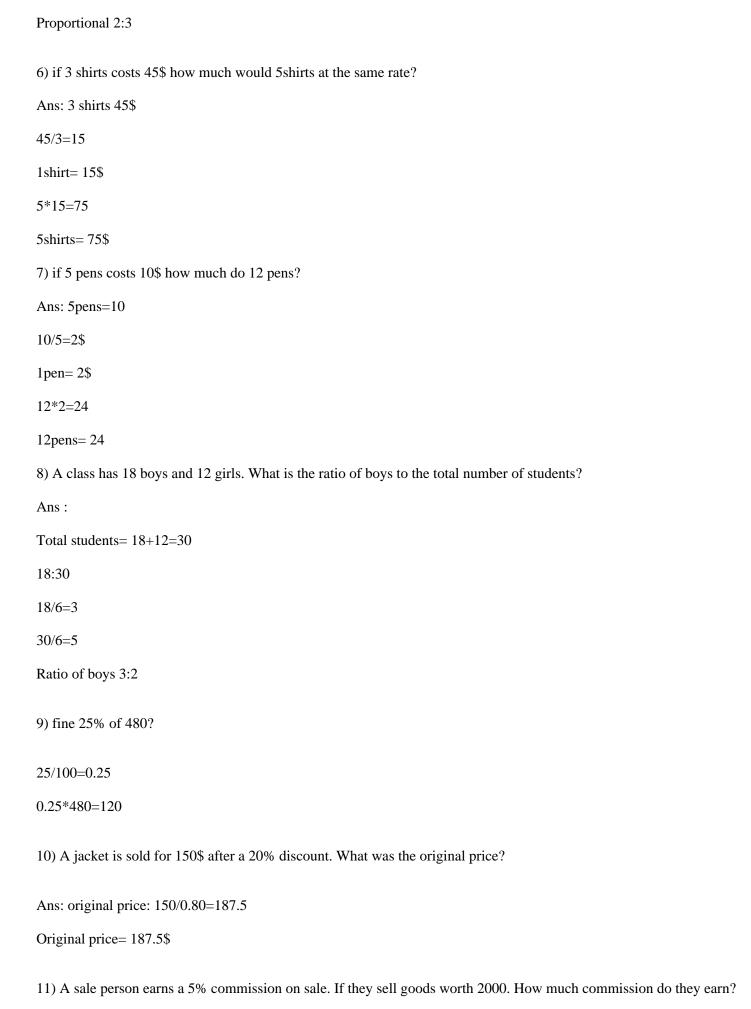
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Answers:
ratio =12:16
12/2=6 16/2=8
6/2=3 8/2=4
its simplest from 3:4
2) divide 120\$ in the ratio 3:2
2+3=5
120/ 5=24
3) the ratio of cats to dogs in a pet shop is 4:7 if there are 28 dogs. How many cats are there?
Ans: ratio: cats and dogs 4:7
$(28 \times 4) \div 7$
= 112 ÷ 7
= 16 cats
4) if person earns 240\$ for working 8hr what is the rate of pay per hr?
Ans: 240/8=30
Working Per hr= 30\$
5) are the ratio: 6:9 and 8:12 proportional?
Ans: 6/3=2 9/3=3
2:3
8:12
8/4=2 12/4=3



Ans: 5/100=0.05 0.05*2000=100 Commission =100\$ 12) if 60% of a number is 180, what is the original number? 60/100=0.6 180/0.6=300 Original number= 300 13) fine the simple interest on 1200\$ at rate of 5% Per annum for 3yrs? (P*R*T)/100(1200\$*5*3)/100=\$180.Simple interest = 180\$ 14) A sum of 2,000\$ invested at 10% per annum for 3yrs compounded annually. Fine the total amount? Ans: 2000*(1+0.10)^3=2,662 Total amount =2662

15) A loan of 2000 is given for 2yrs at a rate of 6% per annum. What is the total amount to be repaid at the end of the period?

Simple Interest = (2000 *6 * 2)/100 = \$240

Total = 2000 + 240 = \$2240