Multiply Single Digit Decimals Word Problems

Aim: to solve problems including the multiplication of single digit decimals.

1. Pencils cost a school £0.07 each. A box holds 24 pencils. How much do six boxes cost the school?
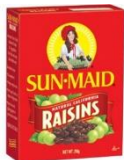
2. A set of miniature gauge railway track contains 24 pieces that are 0.3m long and 12 pieces that are 0.2m long. How long would the railway be when all the pieces of track are put together?
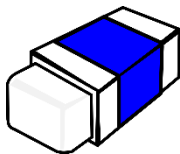
3. A shop buys a box of 72 mini chocolate bars from a wholesaler for £0.06 each. The bars are sold at a profit of £6.48. For how much do they sell each bar?

4. Small packets of raisins weigh 0.06kg each. A box is limited to 4kg before it is too heavy to carry. Can a box contain 72 packets of raisins?

5. A stationery shop buys rubbers for £0.04 each an sells them for £0.09. How many rubbers must be sold to make £5 profit?

6. A hospital buys bottles of a medicine. Large bottles contain 0.7 litres of medicine and small bottles contain 0.3 litres of medicine. Cases of bottles contain 24 bottles. How much medicine will be bought if the hospital buys 3 cases of large bottles and 2 cases of small bottles?