Multiplying and dividing decimals by 10, 100 and 1000 word problems

LI: to solve word problems by multiplying and dividing decimals

1. Sam buys a stack of paper containing 100 sheets. Each stack costs £24.90. How much does each sheet of paper cost?

2. Lisa makes duvets for a living. Each bundle has 10 duvets in it. If one duvet is 4.7 centimetres thick, how thick is one bundle?

3. Sally measured the thickness of 100 sheets of paper as 385mm. How thick is each sheet?

4. Nick is improving his home and needs wood for shelving. He needs 1000 planks of wood but they only come in packs of 10. If each pack costs £7.95, how much will he need to spend?

5. Anne bought plastic to cover her books. She needed 41.5cm for each book. How much plastic did she need for 10 books?

6. Dianne measured the thickness of 1000 sheets of paper as 673mm. How thick is each sheet?

Challenge: Nakia runs 200m and finishes with a time of 34.78 seconds. With continued practice, she manages to shed a tenth of the time in her race. Was Nakia quicker or slower in the race? By how much? What was her time in the race?