

Jack, Alex and Amir jumped a total of 12.69 m in a long jump competition. Alex jumped exactly 200 cm further than Jack. Amir jumped exactly 2,000 mm further than Alex. What distance did they all jump? Give your answers in metres.	Jack jumped 2.23 m. Alex jumped 4.23 m. Amir jumped 6.23 m.	Each nail weighs 3.85 grams.  There are 24 nails in a packet. What would be the total mass of 60 packets of nails? Give your answer in kilograms. How many packets would you need if you wanted $\frac{1}{2}$ kg of nails? How many grams of nails would be left over?	5.544 kg 6 packets (554.4 g) 55.4 g left over
Dora made a stack of her magazines. Each magazine on the pile is 2.5 mm thick. The total height of the stack is 11.5 cm high. How many magazines does she have in her pile?	There are 46 magazines in Dora's pile.		

- 1) *The correct answer belongs to Jacob.*

$$0.075\text{ l} = 75\text{ ml}$$

$$75\text{ ml} \times 3 = 225\text{ ml}$$

$$225\text{ ml} + 1675\text{ ml} = 1900\text{ ml}$$

- 2) *Bar model C best represents the problem as we know the total mass the jars is 0.9kg or 900g. The model shows that there is one pickle jar which has a mass of 250g and five jars of jam. We can work out that the jam jars have a total mass of $900\text{g} - 250\text{g}$ which is 650g. To find the mass of each jar, $650\text{g} \div 5 = 130\text{g}$. One jar has a mass of 130g.*



3. 2.62m