

Handout 6

Exam questions

Question 1

Kate is making some pastry.

She will use 20 ounces of flour

Kate has a recipe that uses 8 ounces of flour with 3 ounces of butter.

Work out how many ounces of butter Kate needs to use.

Question 2

Bill is a builder.

On Monday he made a mortar mix.

He used 24 kg of sand and 5 kg of cement.

On Tuesday Bill will make the same type of mortar mix.

He will use 36 kg of sand.

How much cement does he need to make the same type of mortar mix?

Question 3

Sasha is the manager at a factory.

Last weekend 15 employees assembled 390 identical wardrobes.

Sasha wants 1200 of these wardrobes to be assembled next weekend.

How many employees does Sasha need next weekend?

You must show your working.

Question 4

Luke plays a computer game where he manages a city.
He buys two buildings.

Luke receives

- 135 coins every 8 hours from building A
- 36 coins every 15 minutes from Building B.

Luke thinks he receives a total of 4000 coins in 24 hours from these buildings.

Is Luke correct?

Show why you think this.