Finding fractions

This task is about how to find fractional amounts of a total.

a)

A piece of timber was 36 cm long.

If $\frac{1}{4}$ was cut off, what would the new length be?

Show your working.

Answer: _____cm

b)

James started with 32 marbles and lost $\frac{3}{8}$ of them.

How many did he lose?

Show your working.

Answer: _____

c)

Aroha won $\frac{7}{9}$ of the 72 tennis matches that she played.

How many matches did she win?

Show your working.

Answer: _____