

A Sense of Scale

1. Here is a recipe for making 4 pancakes:

- 6 tablespoons flour
- $\frac{1}{4}$ pint milk
- $\frac{1}{4}$ pint water
- 1 pinch salt
- 1 egg



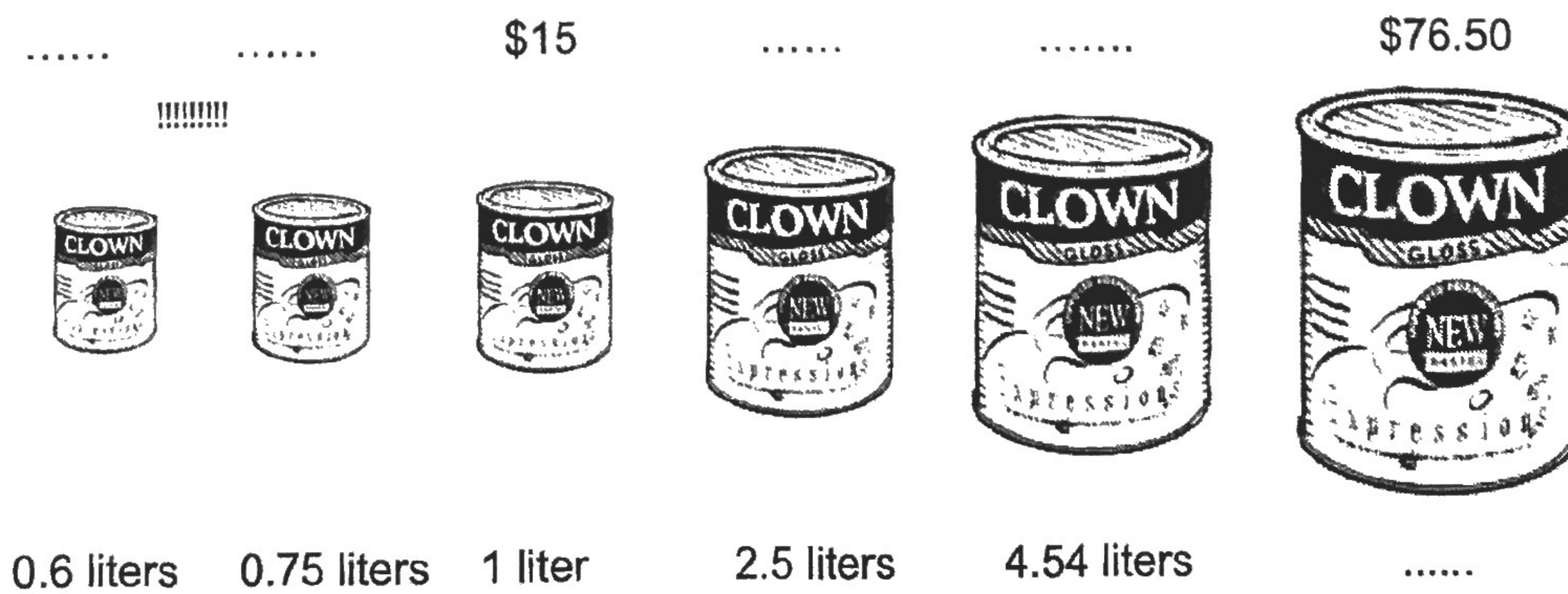
You want to make 10 pancakes.

a. How much flour do you need?

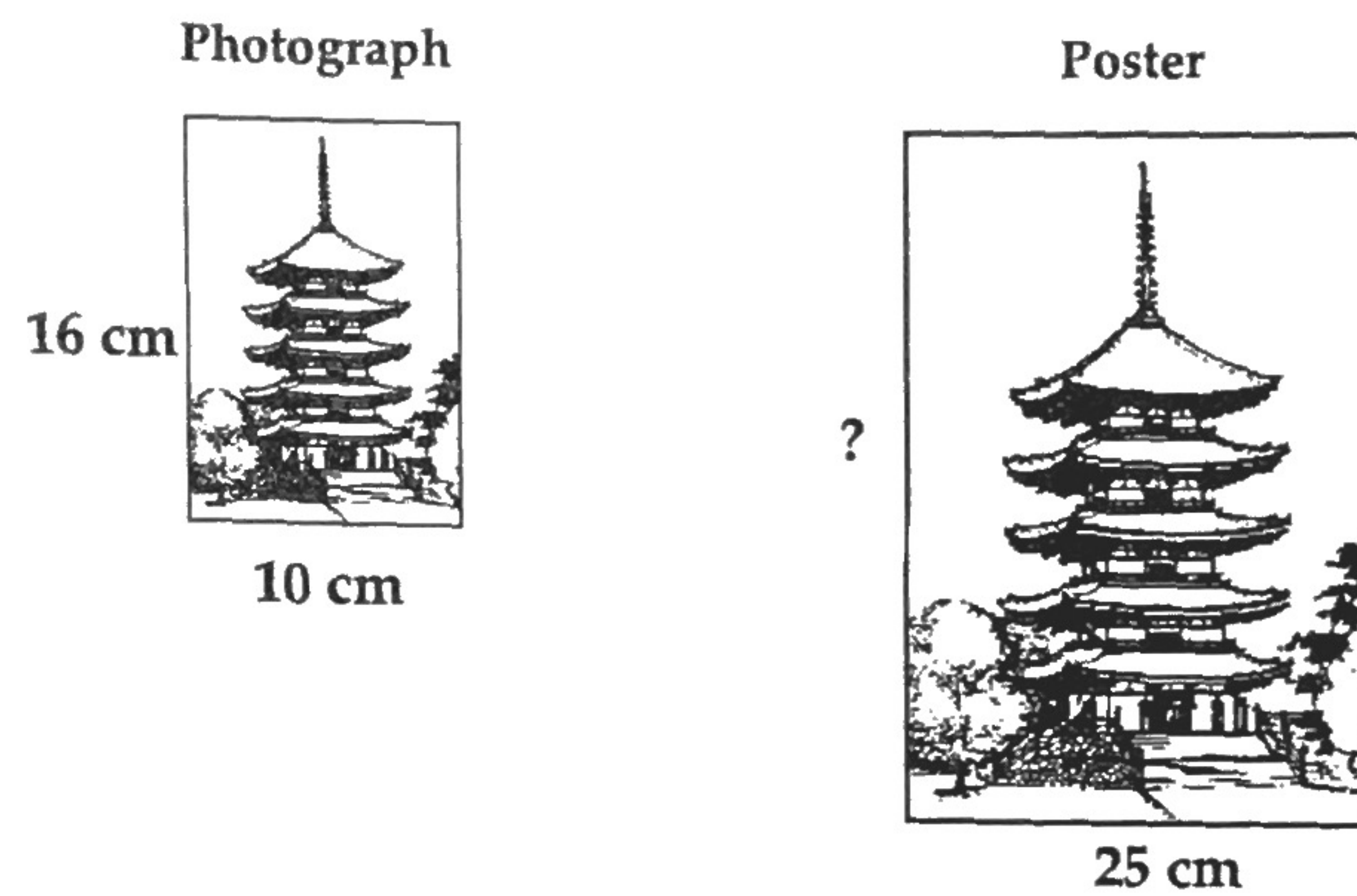
b. How much milk do you need?

2. Calculate the prices of the paint cans.

The prices are proportional to the amount of paint in the can.



3. The photograph is enlarged to make a poster.
The photograph is 10cm wide and 16cm high.



- a. The poster is 25cm wide.

How high is the poster?

- b. The building on the poster is 30cm tall.

Is it possible to figure out how tall the building is on the photograph?

If you think it is possible, show how. If you think it is not, explain why.

A Sense of Scale (revisited)

1. Here is a recipe for making 8 doughnuts:

- 4 cups of flour
- 1/2 cup of milk
- 3/4 cup of sugar
- 2 eggs
- 2 sticks of butter
- One tablespoon of yeast



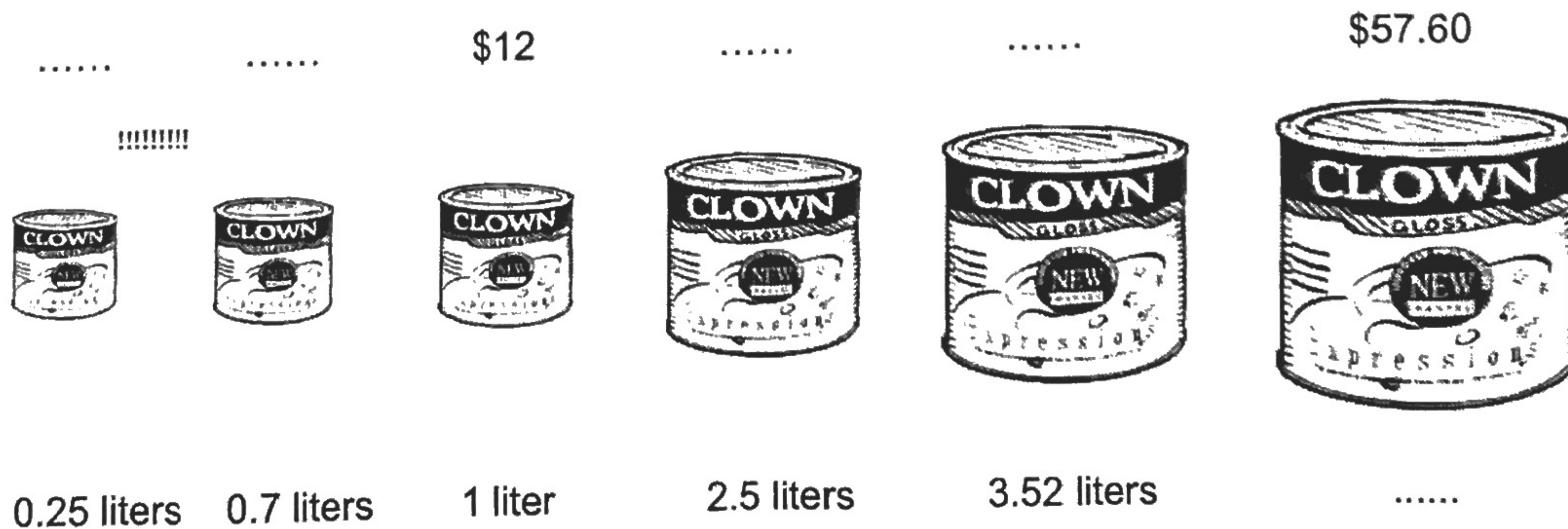
You want to make 28 doughnuts.

a. How much flour do you need?

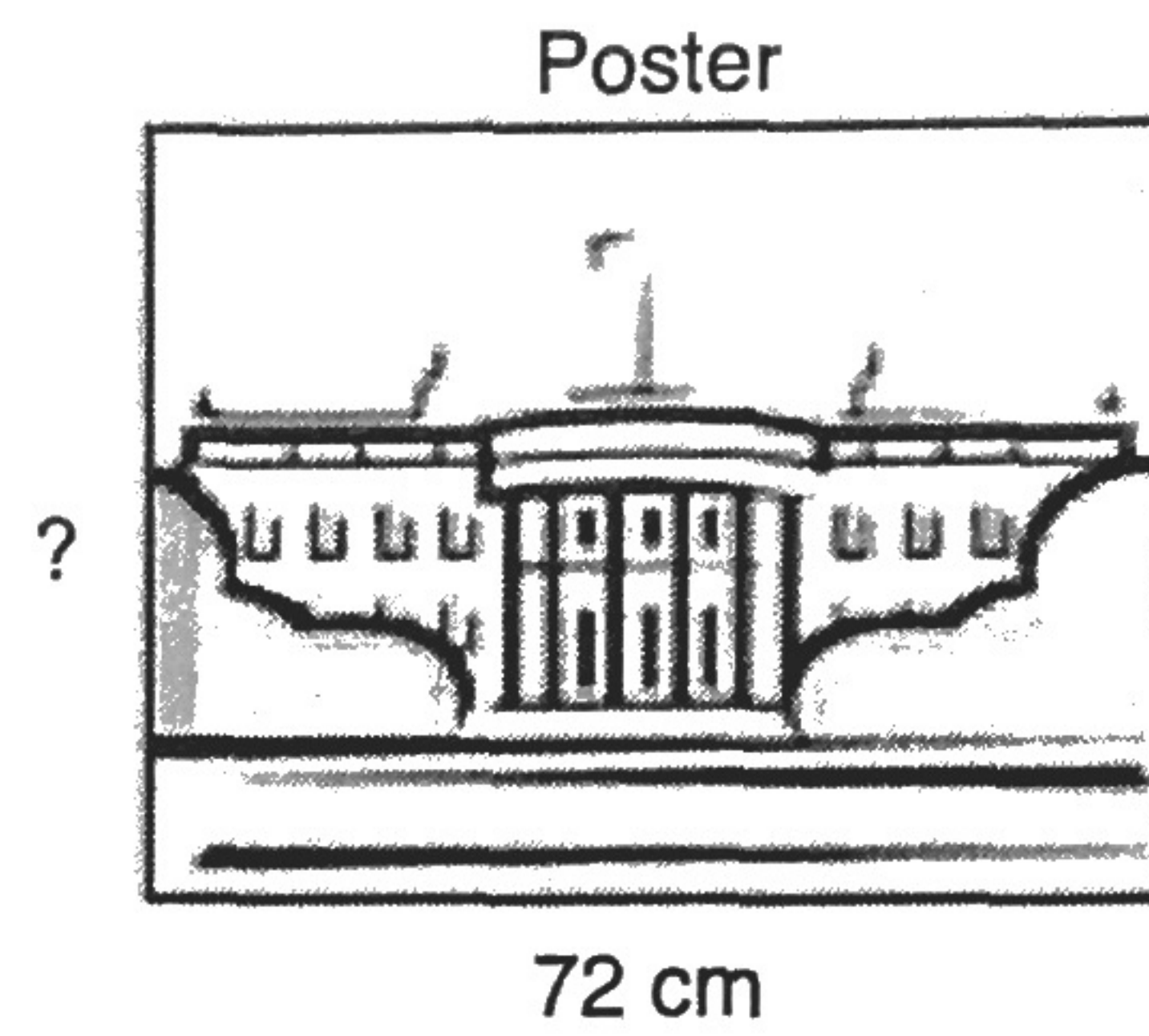
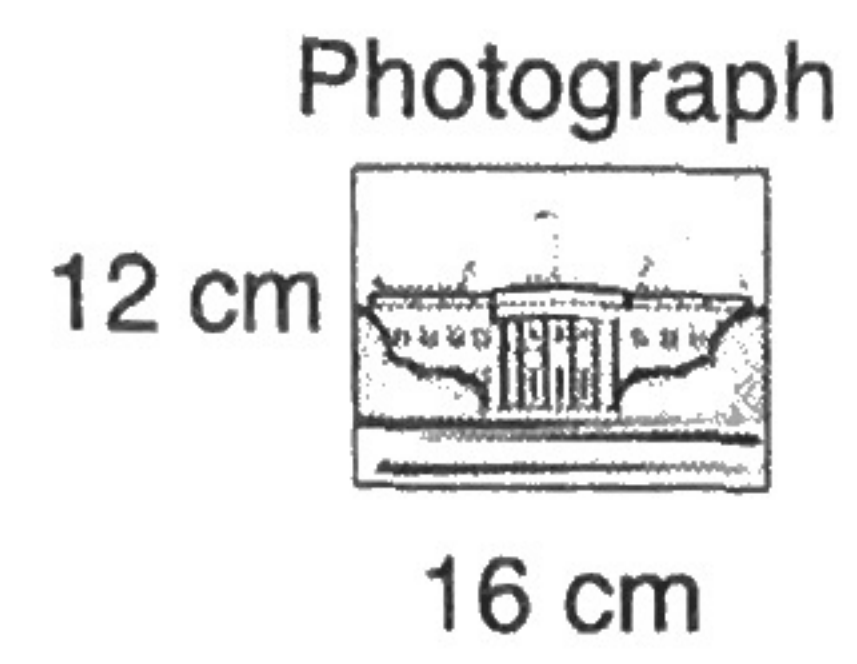
b. How much milk do you need?

2. Calculate the prices of the paint cans.

The prices are proportional to the amount of paint in the can.



3.



- a. The poster is 72 cm wide.
How high is the poster?

- b. The building on the poster is 36 cm tall.
Is it possible to figure out how tall the building is on the photograph?
If you think it is possible, show how. If you think it is not, explain why.