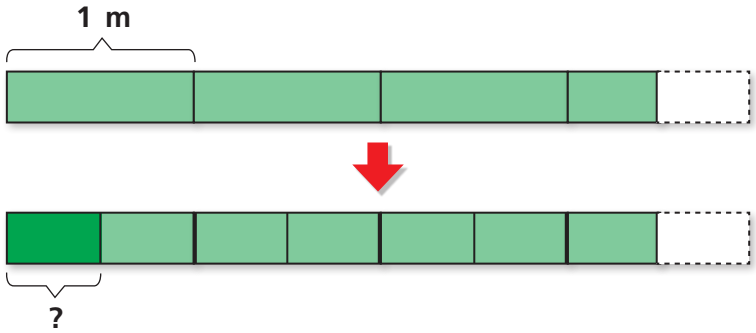
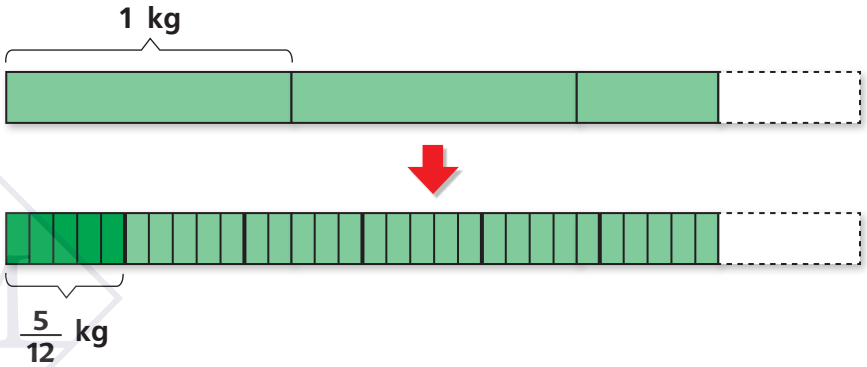
16. Blake has a $3\frac{1}{2}$ m string. He cuts the string into $\frac{1}{2}$-m pieces. How many pieces of $\frac{1}{2}$-m string does he have?



$3\frac{1}{2}$ m $\div$ $\frac{1}{2}$ m = ☐

He has ☐ pieces of $\frac{1}{2}$-m string.

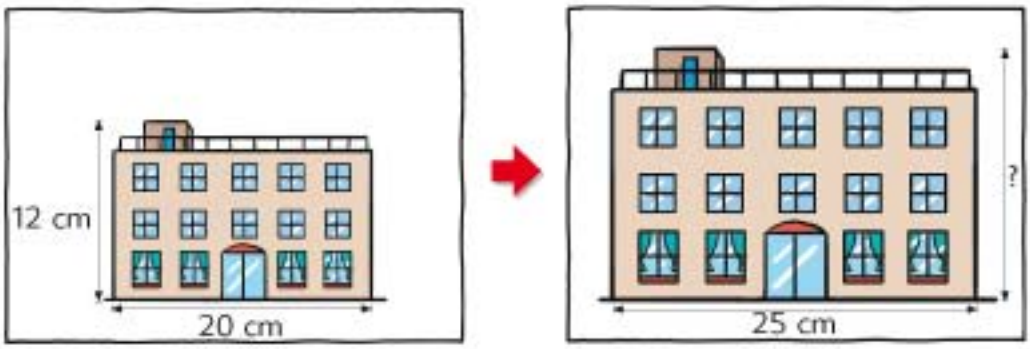
17. Keira bought $2\frac{1}{2}$ kg of flour. She packs the flour into $\frac{5}{12}$-kg bags. How many $\frac{5}{12}$-kg bags of flour does she have?



$2\frac{1}{2}$ kg $\div$ $\frac{5}{12}$ kg = ☐

She has ☐ $\frac{5}{12}$-kg bags of flour.

4.

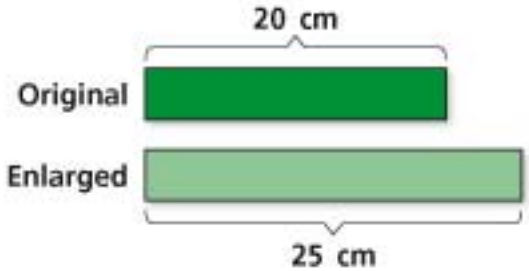


A picture is **enlarged**.
Find the height of the building in the enlarged picture.

Method 1:

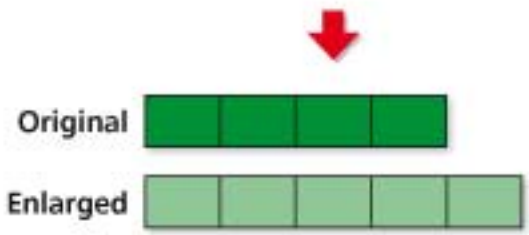
$\frac{12}{\square} \times \square = \square$

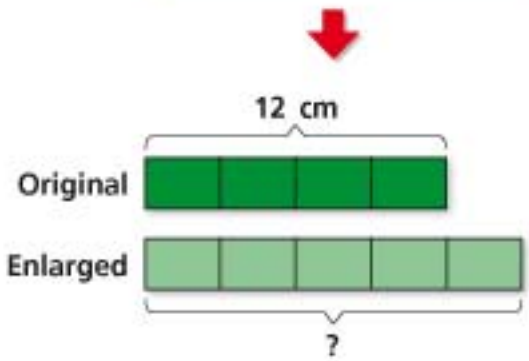
The height of the building in the enlarged picture is $\square$ cm.

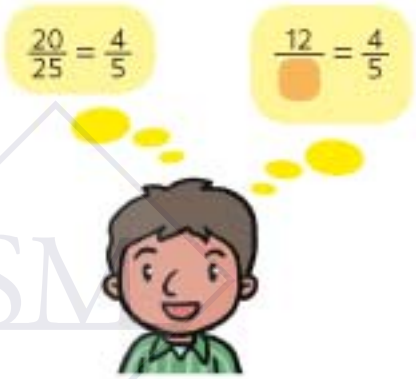


Method 2:

The length of the building in the original picture is $\frac{4}{5}$ the length of the building in the enlarged picture.







$\frac{20}{25} = \frac{4}{5} = \frac{12}{\square}$ (÷5 between 20 and 4; ×□ between 4 and 12)

The height of the building in the enlarged picture is $\square$ cm.

3 Speed

The subway train travels 6 miles in 5 minutes in one segment of a journey.

At this rate, how far does the train travel in an hour?

5 min ⟶ 6 mi
10 min ⟶ 12 mi
60 min ⟶ 72 mi

Alternatively,
5 min ⟶ 6 mi
1 min ⟶ $\frac{6}{5}$ mi
60 min ⟶ $\frac{6}{5} \times 60$

We say that the **speed** of the train is 72 miles per hour.

It is written like this.

72 miles/hour

Often, you see it written as 72 mph.