Length, Mass, and Volume

Review of fractions.

Find the missing numerator or denominator.

a.) $\frac{7}{9} = \frac{\square}{36}$ b.) $\frac{5}{8} = \frac{30}{\square}$

Express the following fractions in simplest form.

a.) $\frac{20}{50} = \frac{\square}{\square}$ b.) $\frac{18}{21} = \frac{\square}{\square}$

Add or subtract the following fractions.

a.) $\frac{3}{5} + \frac{1}{10} = \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

b.) $\frac{1}{2} - \frac{1}{8} = \frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square}$

Write in centimetres.

a.) 20 m = _____ cm

b.) 9 m 14 cm = _____ cm

Write in metres and centimetres.

a.) 5108 cm = _____ m _____ cm

b.) 710 cm = _____ m _____ cm

Write in grams.

a.) 10 kg 2 g = _____ g

b.) 4 kg 780 g = _____ g

Write in kilograms and grams.

a.) 11070 g = _____ kg _____ g

b.) 2650 g = _____ kg _____ g

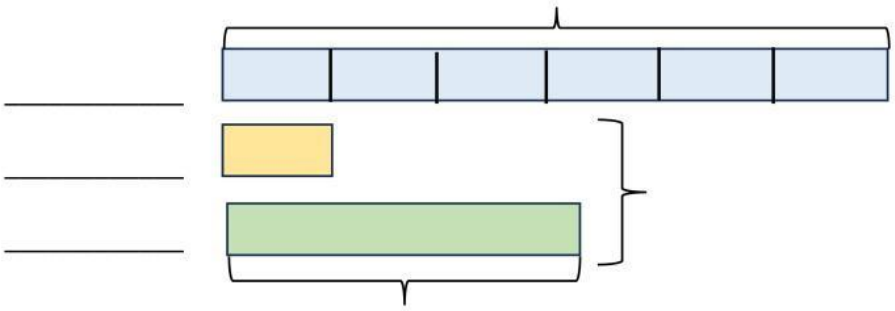
Write in litres.

a.) 9850 ml = _____ ℓ _____ ml

b.) 4300 ml = _____ ℓ _____ ml

Solve the word problems.

1.) String A is 5400 cm long.
It is 6 times as long as String C.
String D has a length of 1650 cm.
What is the total length of String C and String D?



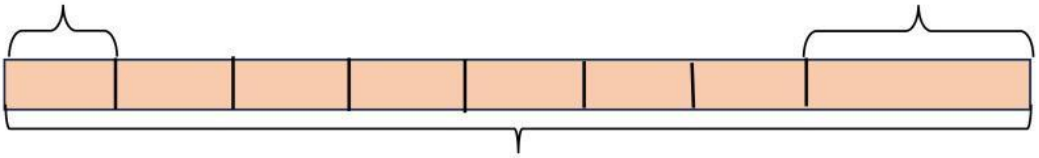
_____ ◯ _____ = _____

String C is _____ long.

_____ ◯ _____ = _____

The total length of String C and String D is _____.

2.) Mrs. Lei had some tomatoes.
450 g of tomatoes were thrown away because they were rotten.
She packed the remaining tomatoes equally into 7 boxes.
Each box had 240 g of tomatoes.
How much tomatoes did Mrs. Lei have at first?
Give your answer in kilograms and grams.



_____ ◯ _____ = _____

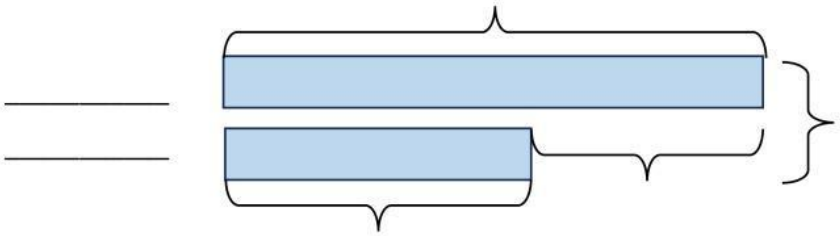
_____ of tomatoes put into 7 boxes.

_____ ◯ _____ = _____

Mrs. Lei had _____ of tomatoes at first.

3.) Tank A contains 28 ℓ of water.
Tank B contains 12 ℓ less than Tank A.
a.) How much water does Tank B contain?
b.) How much water do Tank A and Tank B contain altogether? Write in millilitres.

a.)



_____ ◯ _____ = _____

Tank B contains _____ ℓ of water.

b.) _____ ◯ _____ = _____

Tank A and Tank B contain _____ of water altogether.