



NAME _____

DATE _____

MEASUREMENTS OF DIFFERENT OBJECTS

Solve using tape diagrams. Use a symbol for the unknown.

Example:

Mr. Ramos has knitted 19 inches of a scarf. He wants it to be 1 yard long. How many more inches of scarf does he need to knit?

Solution:

1 yard = 3 ft = 36 inches.

Mr. Ramos has knitted 19 inches of a scarf.

He wants to be 1 yard long.

He need more inches of scarf to knit.

symbol for the unknown.

$$\boxed{17} + 19 = 36.$$

$$19 \xrightarrow{+10} \underline{29} \xrightarrow{+10} \underline{39} \xrightarrow{-3} \underline{36}$$

$$= 10 + 10 - 3 = 10 + \underline{7} = \underline{17}$$

1) In the 100 - yard race, Jackie has run 76 yards. How many more yards does she have to run.

Solution:

In the _____ yard race.

More yards to be covered to run = .

$$76 + \boxed{} = 100.$$

By arrow way:

$$76 \xrightarrow{+10} \underline{86} \xrightarrow{+10} \underline{} \xrightarrow{+4} \underline{100}$$

$$\boxed{} = 10 + 10 + 4$$

$$= \underline{} + 4 = \underline{}$$

She has to run _____ yards more to cover 100 race yard.