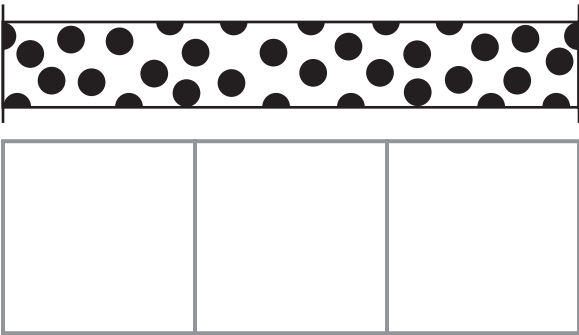Name _____

Measure with Inch Models

Place tiles on the squares. How many tiles? __3__ tiles
Each tile is about 1 inch long.

How long is the ribbon? about __3__ inches

Use color tiles. Measure the length of the object in inches.

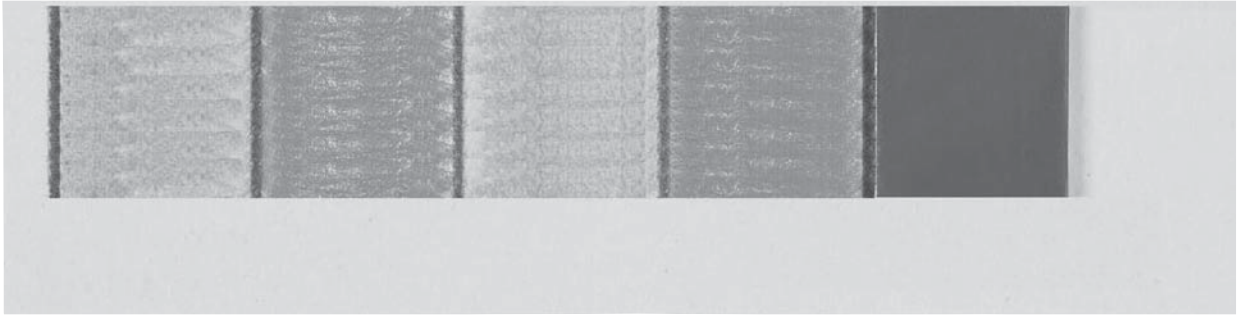1.

about _____ inches

_____

2.

about _____ inches

_____

3.

about _____ inches

Make and Use a Ruler

Use a paper strip. Mark the sides of a color tile.
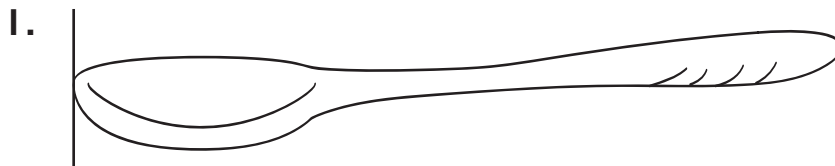Mark 6 tiles. Color each part.

Each part is about ___1 inch___ long.

Line up the left edge of the bracelet with
the first mark. Count the inches.

The bracelet is about ___5___ inches long.

Measure the length with your ruler.
Count the inches.

1.

about _____ inches

2.

about _____ inches
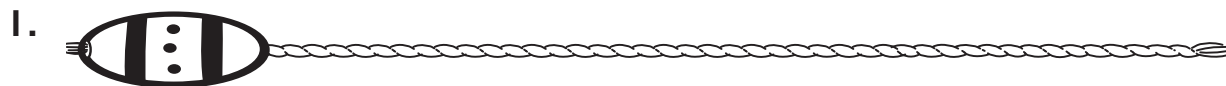
Estimate Lengths in Inches

The bead is 1 inch long. How many beads will fit on the string?
Four beads will fit on the string.

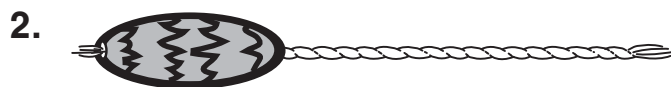About how long is the string? The string is about __4__ inches long.

Circle the best estimate for the length of the string.

1.

2 inches   4 inches   6 inches
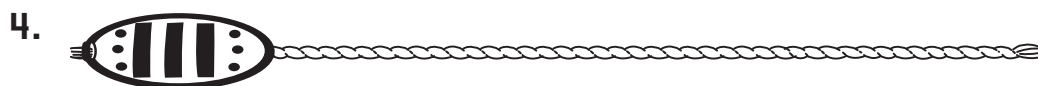
2.

1 inch   3 inches   5 inches

3.

1 inch   2 inches   4 inches

4.

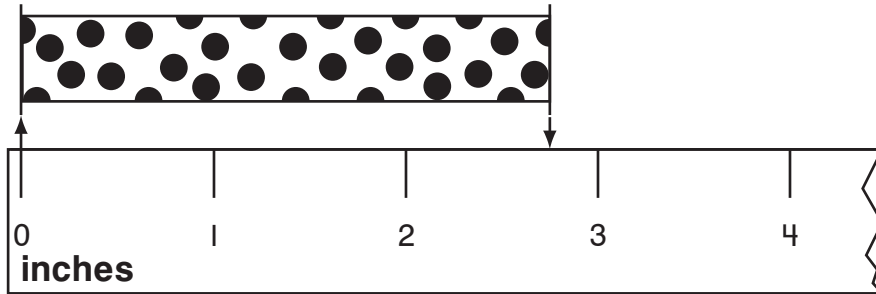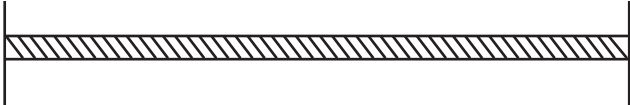5 inches   8 inches   10 inches

Measure with an Inch Ruler

1. Line up one end with 0.

2. Find the inch mark closest to the other end.

3. Read the number of inches at that mark.

The ribbon is about ___3___ inches long.

Measure the length to the nearest inch.

1.

_____ inches

2.

_____ inches

3.

_____ inches

Problem Solving • Add and Subtract in Inches

Zack has two strings. One string is 12 inches long and the other string is 5 inches long. How long are Zack's strings altogether?
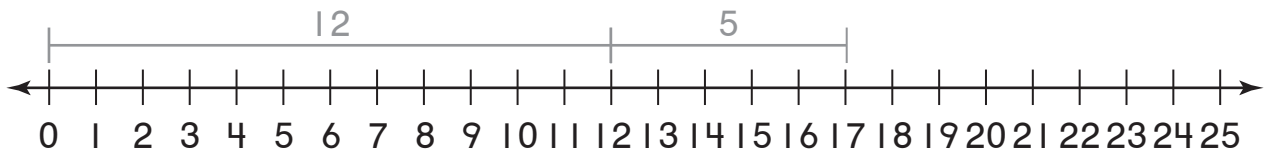
Unlock the Problem

What do I need to find?

how long Zack's strings are in all

What information do I need to use?

One string is ___12___ inches long.

The other string is ___5___ inches long.

Show how to solve the problem.

```
         12              5
  |---------------|-----------|
<-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+->
  0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```
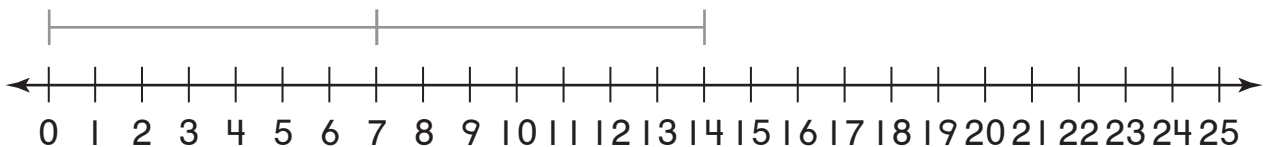
$12 + 5 = $ ▨

The strings are ___17___ inches long in all.

Write a number sentence using

a ▨ for the missing number. Solve.

1. Sara has two pieces of yarn. Each piece is 7 inches long. How many inches of yarn does she have in all?

```
  |---------------|-----------|
<-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+->
  0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

_____   Sara has _____ inches of yarn in all.

Name _____

Measure in Inches and Feet

The real folder is about 12 inches wide.
The real folder is also about 1 foot
wide.

12 inches is the same as 1 foot.

Measure to the nearest inch.
Then measure to the nearest foot.

Find the real object.	Measure.
desk	_____ inches _____ feet
rug	_____ inches _____ feet
map	_____ inches _____ feet

1.
2.
3.

Estimate Lengths in Feet

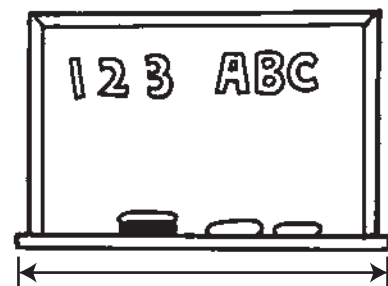About how many rulers will fit along the length
of a real whiteboard?

A 12-inch ruler is
about 1 foot long.

_3_ rulers, or _3_ feet

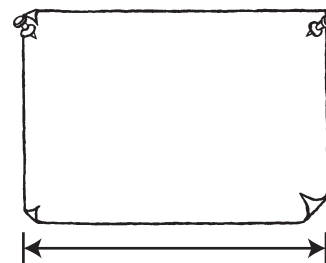## Find each object. Estimate how many 12-inch rulers will be about the same length as the object.

1. chalkboard

Estimate: _____ rulers, or _____ feet

2. poster

Estimate: _____ rulers, or _____ feet

Choose a Tool

Use an **inch ruler** to measure short lengths.

WORD LIST

inch ruler

yardstick

measuring tape
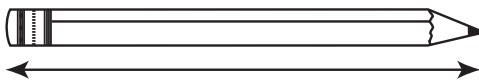
Use a **yardstick** to measure greater lengths.

Use a **measuring tape** to measure lengths
that are not flat.

Choose the best tool for measuring the real object.
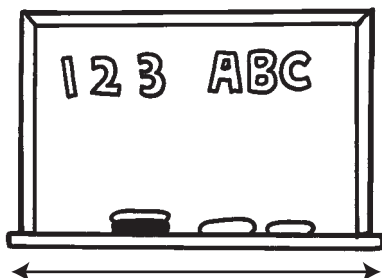## Then measure and record the length.

1. a pencil

Tool: _____
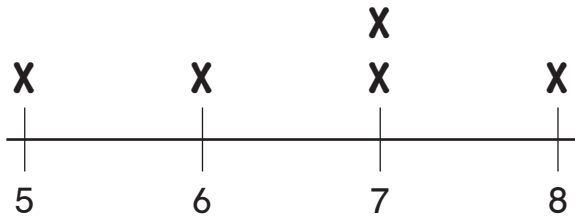
Length: _____

2. a chalkboard

Tool: _____

Length: _____

Display Measurement Data

Each *X* on the line plot is for the length of one book.

```
                    X
   X        X       X        X
   |--------|-------|--------|
   5        6       7        8
```
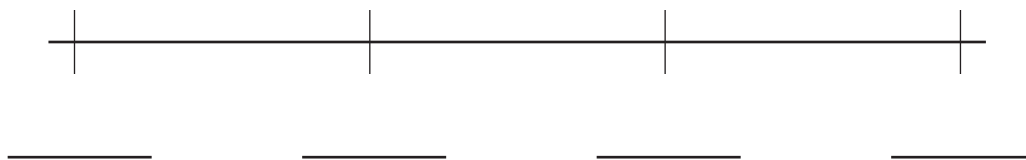
Lengths of Books in Inches

One book is 5 inches long.
One book is 6 inches long.
Two books are 7 inches long.
One book is 8 inches long.

1. Use an inch ruler. Measure and record the lengths of 4 pencils in inches.

1st pencil: _____ inches
2nd pencil: _____ inches
3rd pencil: _____ inches
4th pencil: _____ inches

2. Write the numbers and draw the *X*s to complete the line plot.

```
   |--------|-------|--------|
  ____    ____    ____     ____
```

Lengths of Pencils in Inches