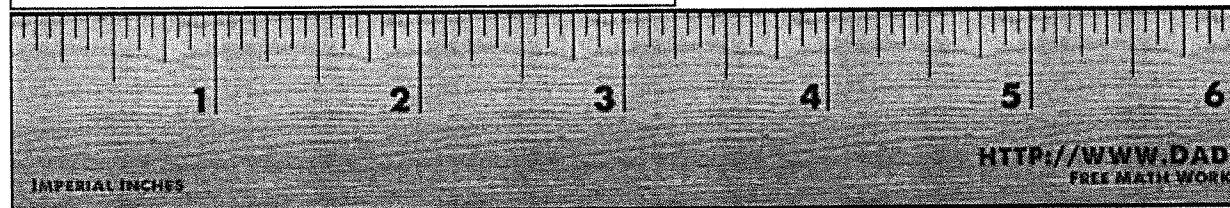
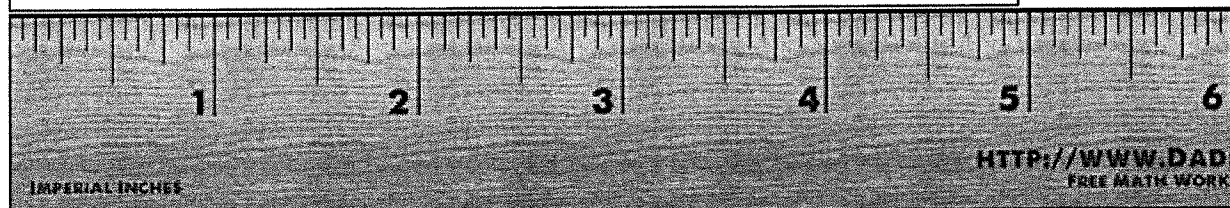
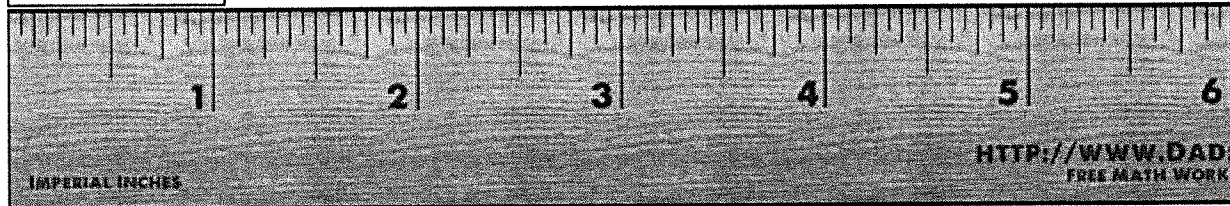
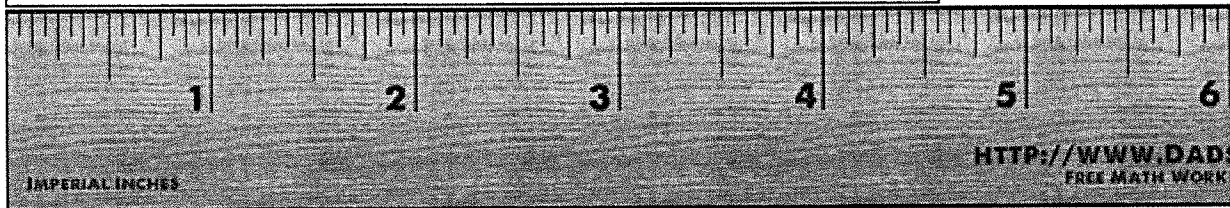
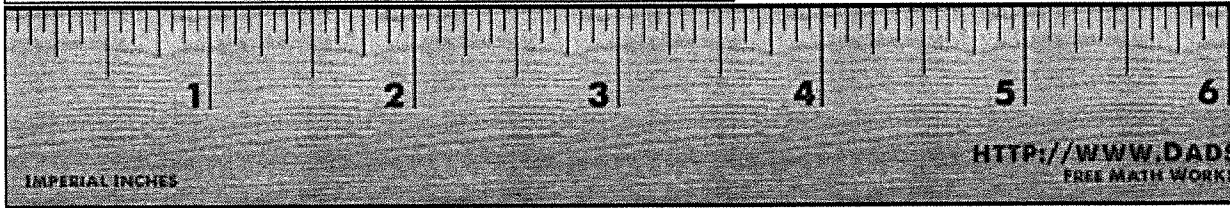


Name: _____

Can you measure the length of the bar?



Why Do Elephants Lift Weights?

Measure each line segment below to the nearest one-eighth inch. Find your answer in the answer column. Write the letter of the exercise in the box containing the number of the answer.

- (E) _____
- (T) _____
- (R) _____
- (H) _____
- (E) _____
- (I) _____
- (T) _____
- (A) _____
- (E) _____
- (I) _____
- (R) _____
- (O) _____
- (T) _____
- (X) _____
- (E) _____
- (Z) _____
- (G) _____
- (T) _____
- (S) _____

- (1) $3\frac{7}{8}$ in.
- (2) $2\frac{7}{8}$ in.
- (3) $\frac{7}{8}$ in.
- (4) $5\frac{1}{4}$ in.
- (5) $4\frac{1}{4}$ in.
- (6) $4\frac{3}{8}$ in.
- (7) $3\frac{1}{8}$ in.
- (8) $5\frac{1}{8}$ in.
- (9) $3\frac{5}{8}$ in.
- (10) $\frac{3}{4}$ in.
- (11) $2\frac{1}{2}$ in.
- (12) $1\frac{5}{8}$ in.
- (13) $1\frac{3}{8}$ in.
- (14) $1\frac{3}{4}$ in.
- (15) $4\frac{1}{2}$ in.
- (16) $2\frac{5}{8}$ in.
- (17) 2 in.
- (18) $4\frac{3}{4}$ in.
- (19) $3\frac{3}{8}$ in.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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Baseball Players

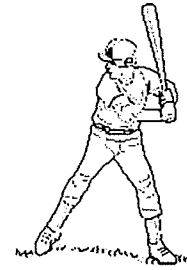
This problem gives you the chance to:

- work with averages
-

1. The mean weight of nine players on a baseball team is 177 pounds.

Find the **total weight** of the nine players. _____

Show your work.



2. The mean weight of the nine players and three reserve players is 188 pounds.

Find the **mean weight** of the three reserve players. _____

Show how you figured it out.

3. The opposing baseball team has nine players whose weights, in pounds, are 174, 177, 194, 162, 196, 169, 187, 192, 178.

Find the median and the range of these weights.

median _____ range _____

7

Cereal

This problem gives you the chance to:

- use ratios in context
-

Here is some information on the side of two boxes of cereal.

<p style="text-align: center;">Tasty Oats</p> <p style="text-align: center;">12 grams of protein in 100 grams of cereal</p>
--

<p style="text-align: center;">Cornbits</p> <p style="text-align: center;">5 grams of protein in 45 grams of cereal</p>
--

1. How many grams of Tasty Oats cereal will give you 9 grams of protein?

_____ grams

Show your work.

2. Which cereal, Tasty Oats or Cornbits, has the higher ratio of protein?

Explain how you figured it out.

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