

Name: _____
Mathematics Period 3

Date: 5/7/15
Ms. Wilson

Averages
Classwork

1.) Over a 5-day period, a drafter logged the following number of work-related miles: 48, 33, 28, 40, and 37. Calculate, to the nearest hundredth, the average number of miles he traveled per day.

2.) An inexperienced CAD drafter earns \$12.50 per hour. During a 5-day period, she works the following number of hours: 8, $5\frac{1}{2}$, 9, $6\frac{1}{4}$, $7\frac{3}{4}$. Calculate her average daily earnings.

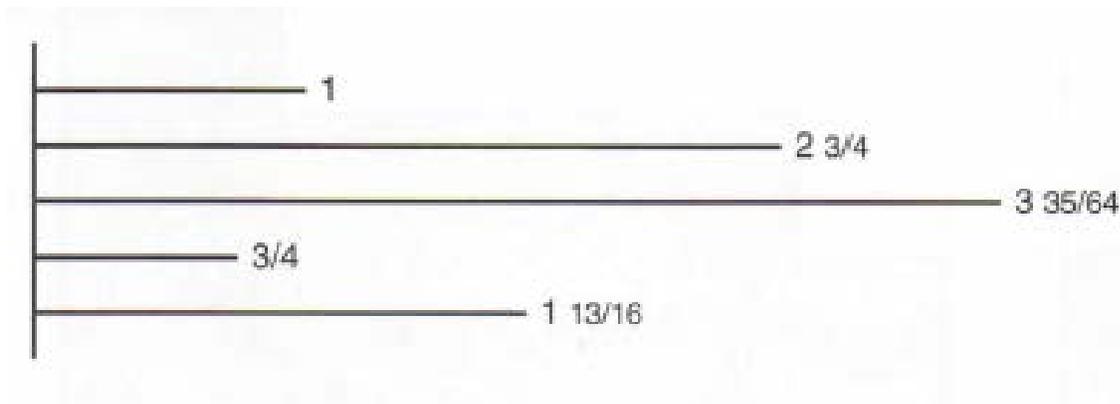
3.) Calculate the average of $\frac{2}{3}$, $\frac{5}{16}$, $\frac{7}{12}$, and $\frac{3}{4}$. Express the answer as a proper fraction in simplest form.

4.) On a drafting test, students achieved the following scores: two scored 87%; three scored 76%; four scored 93%; five scored 81%; and one scored 55%. To the nearest hundredth, what was the average test score for all of the tests?

5.) A CAD drafter completes 11 drawings on Monday, 9 on Tuesday, 13 on Wednesday, and 17 on Thursday. How many drawings must be completed on Friday to average 13 drawings each day?

6.) What is the average weight in pounds to the nearest hundredth of six bars of metal that weigh: $6\frac{1}{2}lb.$, $3\frac{1}{4}lb.$, $2\frac{7}{8}lb.$, $7lb.$, $5\frac{3}{4}lb.$, and $12\frac{3}{8}lb.$?

7.) What is the average length of the lines below?

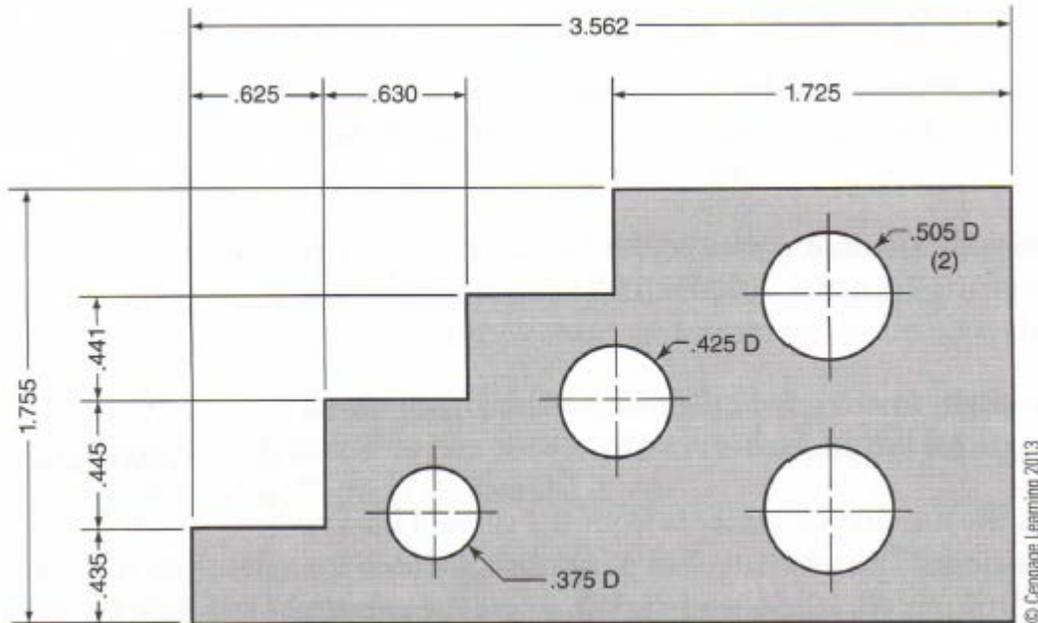


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Averages
Homework – Due 5/8/15

1.) Calculate the average height and width of the CAD drawing of the step below. Then calculate the average of the diameters of all the holes in the drawing. Round each answer to the nearest thousandth.



2.) What is the average length of the dimensions on this CAD drawing of a template? Round the answer to the nearest hundredth.

