# Do Now

Please place your homework in front of you and work quietly on this Do Now. Thank you!

Try to determine an unknown 2-digit number that has 12 factors and one of its 12 factors is twelve.

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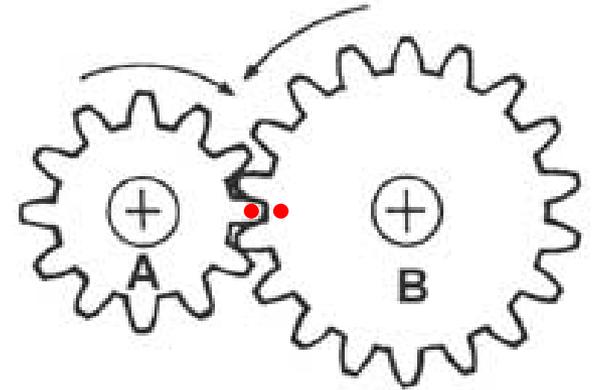
# Superfluous Buns

# NOTES

Name:_____

1) Imagine how annoyed George Banks would be if hot dogs were sold in packages of 14 and hot dog buns were sold in packages of 16. What is the least number of packages of each George Banks should buy to have an equal number of hot dogs and hot dog buns?

2) The 6th grade at a local middle school has 88 students, 40 or whom are boys. The teachers would like to split the students into groups. If each group must have the same number of students and must be all boys or all girls, what is the largest number of students that can be in each group? How many groups will there be?

3) In a clock, a large gear completes a rotation every 45 seconds, and a small gear completes a rotation every 18 seconds. How many seconds must pass before the red dots on the gears align again?

4) Megan wants to plant 45 sunflower plants, 81 corn plants, and 63 tomato plants in her garden. If she puts the same number of plants in each row, and if each row has only one type of plant, what is the greatest number of plants Megan can put in one row?

Word Problems involving GCF and LCM:

GCF type problems may be asking you:

To equally distribute two or more items into the largest possible groups.

To arrange something into rows or groups.

To determine how many people you can serve/invite.

LCM type problems may be asking you:

To purchase multiple items in order to have equal amounts of each.

About events that repeat over and over again.