Do Now

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

The number 1008 is divisible by each of 3, 4, 6, and 8. What is the greatest number that is both less than 1100 and is also divisible by each of 3, 4, 6, and 8?

Do Now

The number 1008 is divisible by each of 3, 4, 6, and 8. What is the greatest number that is both less than 1100 and is also divisible by each of 3, 4, 6, and 8?
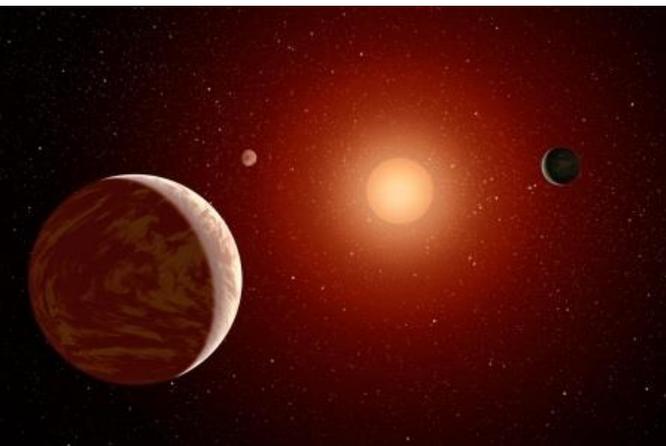
NOTES

1) Planets A, B, and C orbit a specific star once every 3, 7, and 18 months respectively. If they are all lined up now in the same straight line, what is the smallest number of months that must pass before they line up again?

2) Mr. Geyer's art students are forming groups to create a project. They have 52 pipe cleaners, 78 pieces of colored paper, and 117 strings of yarn. Each group will receive equal amounts of each kind of art supply. What is the greatest number of groups that the art students can form if all the supplies are used? How many of each item will each group get?

3) Valentina is making flower arrangements. She is using three different kinds of flowers – roses, daisies, and tulips. Each arrangement will have the same number of each kind of flower. She figures that if she uses all the flowers, the greatest number of arrangements she can make is 7. She has 42 flowers in all, with more daisies than tulips, and more tulips than roses. How many of each kind of flower does Valentina have?

4) Mrs. Stasik wants to make packages of supplies for her students. Pads of paper come 4 to a box, pencils come 27 to a box, and erasers come 12 to a box. What is the least number of kits she can make if she wants each kit to be the same and wants no supplies left over? How many boxes of paper must she buy? How many boxes of pencils? How many boxes of erasers?