Monday

Replace each asterisk with an operation symbol to make each equation true.

$(7 * 7) * 7 = 42$

$(7 * 2) * (4 * 3) = 35$

$(15 * 5) * (9 * 3) = 9$

$(4 * 7) * (5 * 2) = 18$

Tuesday

Do the following:

1. Place both hands on your desk palm down.

2. Move your right hand exactly ½ the distance toward your left hand.

3. Now move your left hand exactly ½ of the new distance together so that your hands are getting closer and closer together.

4. Repeat these steps over and over.

Theoretically, if you could do this precisely, (exactly), your hands would never touch.

Write an explanation.

Wednesday

Evaluate the expression $3 \cdot 2 \div 1^3 - (-2)^3 \div 2^2$.

Thursday

Write an expression using the whole numbers 1 to 5 using all five digits and addition and/or subtraction to create a numeric expression with a value of 3.

Friday

Ellie Mae is making fruit baskets. She has 60 bananas, 72 pears, 96 apples, and 108 oranges. What is the greatest number of equal baskets she can make using all of the fruit?