**Warmup/Practice 22-05-03**

Straight out of workbooks!

2-7. A ringette team of 12 girls chooses a captain and an alternate captain. In how many ways can they do this?

2-8. A band has 11 songs they sing at a concert. In how many ways can they make a set list if they want to sing the three most popular songs together?

3-7. At a coffee shop, they offer 10 different drinks and four different desserts. How many ways can two people order the same drink but a different dessert? A thinker?

1-5. Ray invests $800 in a savings account that earns 4.5% interest compounded semi-annually. Using the Rule of 72, find the length of time required to double Ray's investment.

*approximate*

1-6. Wanda invests $15 000 in a savings account that guarantees an interest rate of 6%. She wants to have $60 000 saved when she retires to use towards the purchase of a cottage. How long must she invest the money for?

1-7. Chris puts $2000 in an account that accumulates 4% interest, compounded quarterly. How much money does he have after three years?