Samples **Wheels Rotation**

1. A machine has 3 wheels, making 32, 24 and 18 revolutions (respectively) per minute. At time 0, each of the wheels starts with a certain marked point on its circumference pointing directly downwards. At what time will all of the wheels first come back together in the same starting position?

2. A machine has 2 wheels, making 3 and 48 revolutions (respectively) per minute. At time 0, each of the wheels starts with a certain marked point on its circumference pointing directly downwards. At what time will all of the wheels first come back together in the same starting position?

3. A machine has 3 wheels, making 18, 59 and 56 revolutions (respectively) per minute. At time 0, each of the wheels starts with a certain marked point on its circumference pointing directly downwards. At what time will all of the wheels first come back together in the same starting position?