

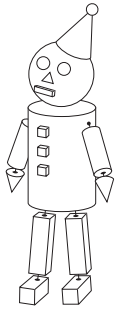
Challenge

Mr. Robert's Robots

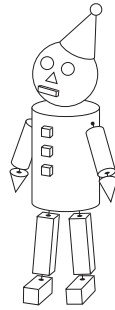
Mr. Robert designed three robots to do different things at different intervals of time.

AR1 does something every 2, 9, and 10 minutes. BR2 does something every 3, 5, and 10 minutes. CR3 does something every 2, 3, and 5 minutes.

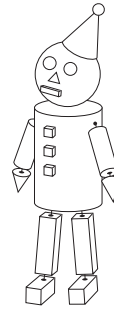
AR1



BR2



CR3



2 minutes: squeaks

9 minutes: flashes eyes

10 minutes: blows
bubbles

3 minutes: spins around

5 minutes: flaps arms

10 minutes: nose
lights up

2 minutes: turns head

3 minutes: claps hands

5 minutes: screams

Mr. Robert turns all the robots on at exactly 12 o'clock. Solve each problem.

1. What will happen at 2 minutes past 12?

2. How many minutes after 12 will BR2 both spin around and flap its arms?

3. At what time will CR3 do all three of its actions at once?

4. At what time will AR1 both squeak and flash its eyes?

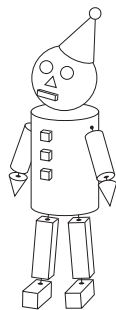
5. What will each of the robots do at 9 minutes after 12?

Challenge

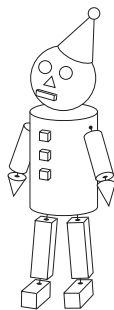
Mr. Robert's Robots

Mr. Robert designed three robots to do different things at different intervals of time. AR1 does something every 2, 9, and 10 minutes. BR2 does something every 3, 5, and 10 minutes. CR3 does something every 2, 3, and 5 minutes.

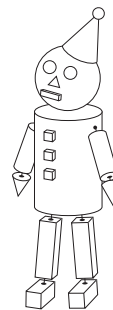
AR1



BR2



CR3



2 minutes: squeaks	3 minutes: spins around	2 minutes: turns head
9 minutes: flashes eyes	5 minutes: flaps arms	3 minutes: claps hands
10 minutes: blows bubbles	10 minutes: nose lights up	5 minutes: screams

Mr. Robert turns all the robots on at exactly 12 o'clock. Solve each problem.

1. What will happen at 2 minutes past 12?

AR1 will squeak and CR3 will turn its head.

2. How many minutes after 12 will BR2 both spin around and flap its arms?

15 minutes after 12

3. At what time will CR3 do all three of its actions at once?

12:30

4. At what time will AR1 both squeak and flash its eyes?

12:18

5. What will each of the robots do at 9 minutes after 12?

AR1 will flash its eyes, BR2 will spin around, CR3 will clap its hands.
