

Work with your group to figure out how to cook a perfect **6 minute egg** with each set of hourglasses. Each problem also has other times you can try to measure exactly using the given hourglasses. An additional challenge is to figure out how to cook the egg in the **shortest amount of total time**. Good luck!

1. Hourglasses: 7 minutes and 18 minutes

Other times to try: 4 minutes, 9 minutes, 10 minutes

2. Hourglasses: 5 minutes and 9 minutes

Other times to try: 1 minute, 17 minutes, 22 minutes

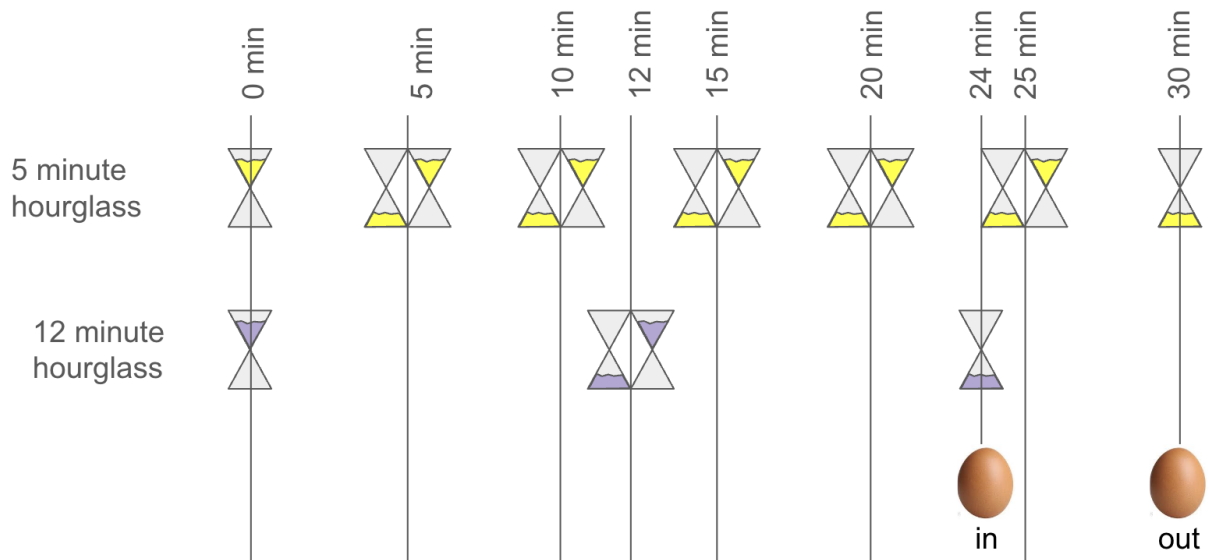
3. Hourglasses: 18 minutes and 27 minutes

Other times to try: 10 minute, 21 minutes, 30 minutes

4. Hourglasses: 12 minutes and 16 minutes

Other times to try: 4 minutes, 10 minutes, 20 minutes

Here's what one complete solution looks like!



We can do *significantly* better than 30 minutes!

