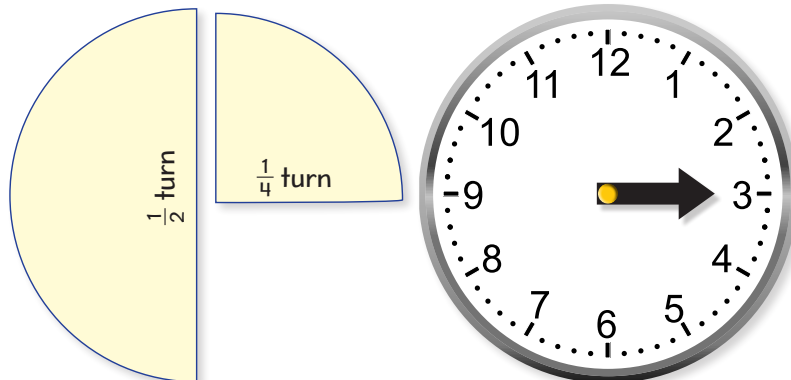


2 TURN, TURN, TURN

- 1 On your paper circle cut out a template for a half and a quarter turn.



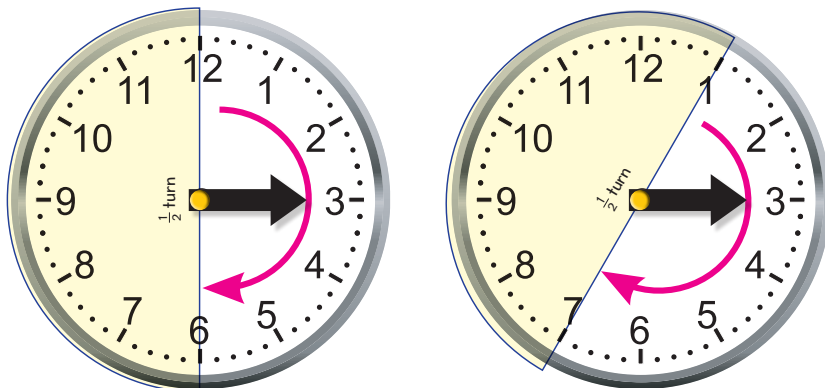
- the template clock (photocopied onto cardboard)
- a drawing pin
- scissors
- paper circle the same size as the clock face



- 2 Use the $\frac{1}{2}$ turn angle on the clock to help you find where the minute hand would begin and end if it made a half turn.

- a Write a start and finish **time** for the next 5 numbers.

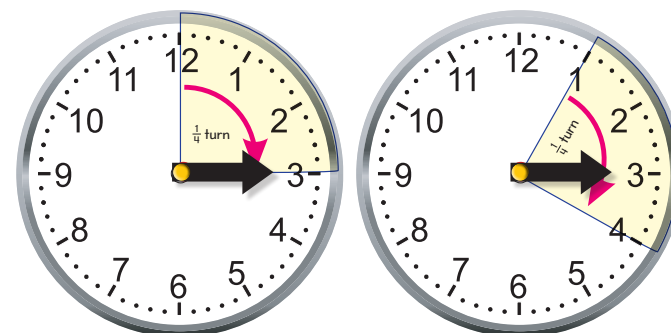
Examples: 3:00 to 3:30 3:05 to 3:35



- b What do you notice about each of these times?

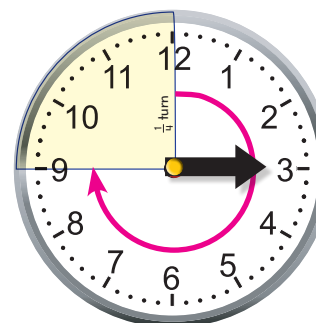
- 2 Use the sides of the $\frac{1}{4}$ turn angle on the clock to help you find where the minute hand would begin and end if it made a $\frac{1}{4}$ turn.

- a Write a start and finish **time** for the next 5 numbers.
b What do you notice about each of these times?



- 3 Use the **external angle** of the $\frac{1}{4}$ turn piece to find 3 times after 3 o'clock that are $\frac{3}{4}$ hour or 45 minutes apart.

Write a start and finish **time** for each.



The clock was showing 3 o'clock
a $\frac{3}{4}$ turn would mean the minute
hand would move 45 minutes
and be pointing at the 9.

2 TURN, TURN, TURN TEMPLATE

Cut the circle out along the dotted lines to make a template for a half and quarter turn.

Cut out the clock.

