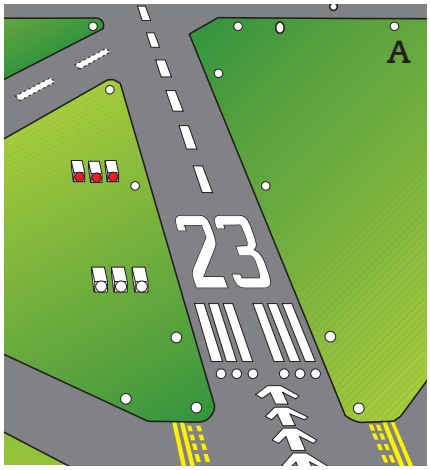
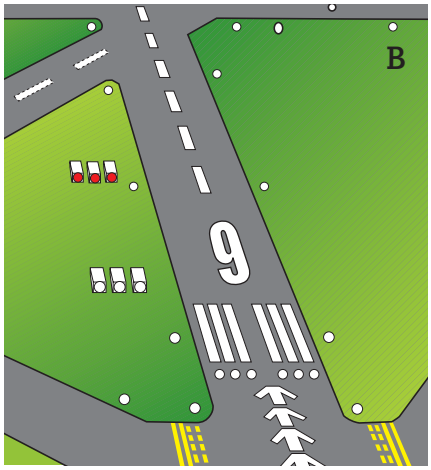
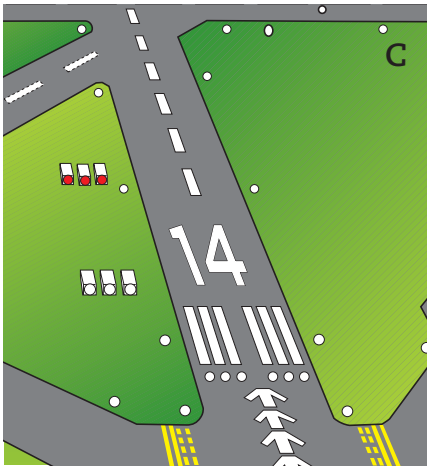
ACTIVITY: Runways and Wind

RUNWAYS ARE IDENTIFIED BY THEIR NEAREST COMPASS HEADING (OMITTING THE LAST ZERO OF THAT HEADING.)

Since runways have two ends, the opposite end of the runway has the opposite (reciprocal) compass heading.







What is the approximate magnetic compass heading of runway… A ___ B ___ C___ ?

What is the runway number at the opposite end of runway… A __ B __ C __ ?

Airplanes land or take-off best on a runway (most closely) aligned into the wind. Wind is reported by the compass direction it's blowing from and its speed. The third digit of the compass heading is omitted.

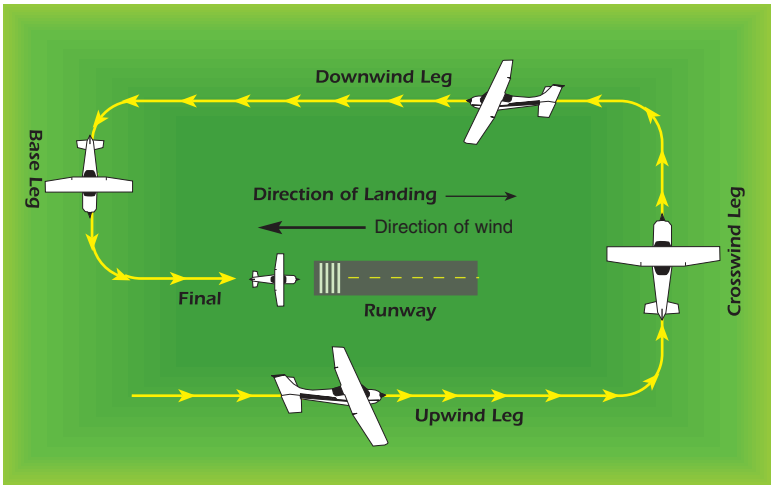
Example: For wind from 270, Runway 27 would be best.

CHOOSE THE BEST AVAILABLE RUNWAY FOR THESE WINDS

Circle the runway you should use. (Both runway ends are shown.)

WIND	Which end of the runway?
225 degrees or SW	Runway 4/22
From the south 180	Runway 17/35
200 degees or SW	Runway 9/27
150 degrees or SE	Runway 14/32
60 degrees or NE	Runway 13/31

ACTIVITY: Traffic Patterns



In the example above, airport traffic moves around the landing runway in a rectangular traffic pattern making left turns, under standard procedures.

The sides (legs) of this rectangular pattern are named in relation to the wind blowing down the landing runway, except for the BASE leg (heading back to "the base") and the FINAL leg.

CIRCLE ONE OR FILL IN THE BLANKS:

1. You're entering the airport area in same direction as the runway that is most aligned into the wind. You'll fly the **DOWNWIND / UPWIND** leg first.

2. After you fly along the landing runway, you'll pass the far end of the runway and turn left onto the __ __ __ __ __ W I N D leg.

3. To fly along the runway back towards the landing end, you'll turn left again. With the wind on your tail, you're on the __ __ __ __ W I N D leg.

4. After passing the end of the landing runway, you'll turn left toward the final approach course. This is the __ __ __ __ leg.

5. Finally, you're flying straight towards the runway "on __ __ __ __ __."