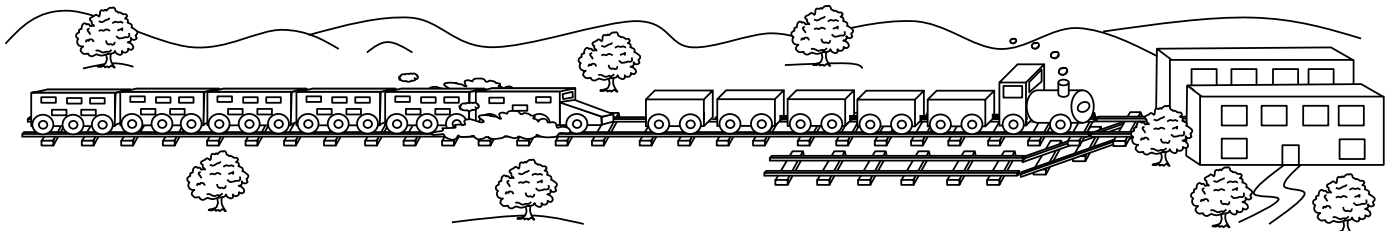


BEEP BEEP - CRITICAL THINKING

NAME: _____

A cargo train made up of an engine car and 5 cargo cars is being followed by a high speed passenger train and needs to let it pass. They both arrive at a station that has a side track that can only hold 3 cars. How does the cargo train let the passenger train pass?



ANSWER AND HELP

Important things to know:

1. The cargo train has 6 cars total but the side track can only hold 3.
2. A train can go backwards and forwards.
3. Trains can release and attach cars.

The cargo train can park three of its cars in the side track, release them, and move forward to let the high speed passenger train pick those three cars up in the back. The high speed passenger train can then back up to let the cargo train's engine car and its other two cargo cars back into the side track. The high speed passenger train can release the three cargo cars and proceed on its way. After the passenger train passes the cargo train can move out of the side track, pick up its three cargo cars, and also proceed. Check out the pictures below to get a better explanation.

