

Inside Reading Level 3
Unit 10 Skill Review: Understanding Time Signals

Name: _____

Date: _____

The Unit 10 Review Skill asks you to list six developments in the history of navigation from Reading 2 in order.

Let's take a look at how to do this with the excerpts below.

1. Read each sentence below.
2. Pay attention to time expressions such as *by the year 300*. Underline time expressions.
3. Notice any adverbs of sequence such as *after* or *next*. Circle adverbs of sequence.
4. Then number the events in the order that they happened.

Note when the term *century* is used in time expressions. When we use terms such as the 18th century, we are referring to the 100 years leading up to the 1800s. So the 18th century refers to the years 1701–1800. The 19th century covers years 1801–1900.

1. ___ In the late 19th century, Nikola Tesla invented radio. Soon, radio beacons and radio direction finders were providing accurate land-based fixes, even hundreds of miles from shore. This system lasted until modern satellite navigation systems made it obsolete.
2. ___ In 1974, the first GPS satellite was launched. GPS systems now give accurate locations with an error of only a few meters.
3. ___ After Isaac Newton published the Principia in 1687, navigation was transformed. Mathematics was applied to the study of nature, and the entire world was measured using essentially modern latitude instruments and the best available clocks.
4. ___ In 1730, the sextant was invented. A sextant uses mirrors to measure the altitude of celestial objects in relation to the horizon.
5. ___ By the year 300, the magnetic compass had been invented in China.
6. ___ Arab navigators in the 9th century developed a celestial navigation tool called a kamal. A kamal consists of a wooden rectangle and a length of rope with evenly spaced knots.

Circle which helped the most in ordering the events: time expressions OR adverbs of sequence

What do you think the adverbs of sequence help you understand?

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Answer Key

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What do you think the adverbs of sequence help you understand?

Possible Answers: The adverbs of sequence help with understanding the sequence of events within each larger event.