



Stars and Brightness

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A solar system is made up of one or more stars and the planets, moons, and other objects bound to them by _____.
2. Our solar system sits inside a spiral galaxy called the _____ Way.
3. The neighboring spiral galaxy nearest to ours, visible from dark skies, is called the _____ Galaxy.
4. A light-year measures _____, not time, in space.
5. Light takes about eight _____ to travel from the Sun to Earth.
6. Light from Proxima Centauri takes about four _____ to reach Earth.
7. Light from the Andromeda Galaxy takes about 2.5 _____ years to reach Earth.
8. A galaxy contains many stars and many _____ systems, all held together by gravity.
9. Astronomers use _____-years instead of miles because space distances are huge.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sun to Earth	→ _____	About 8 light-minutes
Sun to Proxima Centauri	→ _____	About 4.2 light-years
Milky Way to Andromeda Galaxy	→ _____	About 2.5 million light-years
Earth to the Moon	→ _____	About 1.3 light-seconds

Answer Key · Stars and Brightness · Grade: Grade 5

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Write the missing word or number on each line.

1. A solar system is made up of one or more stars and the planets, moons, and other objects bound to them by gravity .
2. Our solar system sits inside a spiral galaxy called the Milky Way.
3. The neighboring spiral galaxy nearest to ours, visible from dark skies, is called the Andromeda Galaxy.
4. A light-year measures distance , not time, in space.
5. Light takes about eight minutes to travel from the Sun to Earth.
6. Light from Proxima Centauri takes about four years to reach Earth.
7. Light from the Andromeda Galaxy takes about 2.5 million years to reach Earth.
8. A galaxy contains many stars and many solar systems, all held together by gravity.
9. Astronomers use light -years instead of miles because space distances are huge.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Sun to Earth	→ <u>About 8 light-minutes</u>	About 8 light-minutes
Sun to Proxima Centauri	→ <u>About 4.2 light-years</u>	About 4.2 light-years
Milky Way to Andromeda Galaxy	→ <u>About 2.5 million light-years</u>	About 2.5 million light-years
Earth to the Moon	→ <u>About 1.3 light-seconds</u>	About 1.3 light-seconds