

Answers for Developing Globe Skills Lessons - Grade 6+

Lesson 1 - The Horizon Ring

No questions to answer

Lesson 2 - Distance

1. approximately 2,500 miles
2. approximately 5,000 miles
3. approximately 4,700 miles
4. approximately 4,750 miles
5. approximately 7,400 miles

Lesson 3 - Cardinal Direction

1. Africa
2. Indian Ocean
3. Antarctica, Australia
4. Arctic Ocean
5. Atlantic Ocean

Lesson 4 - Intermediate Directions

1. North East
2. South West
3. Northwest
4. Southeast
5. Northwest
6. Southwest
7. India
8. New Zealand
9. South America

Lesson 5 - Latitude

1. Midway Island
2. New Zealand
3. Spain, Colorado, & China
4. Miami, FL
5. 30° N

6. 19° N
7. 51° N
8. 42° N
9. Capetown, South America
10. Oran, Algeria
11. Dar es Salaam, Tanzania
12. Khartoum, Sudan

Lesson 6 - Longitude

1. South America
2. Indian Ocean
3. Caribbean Sea & Canada
4. Australia
5. Indonesia & India
6. 80° W
7. 0°
8. 43° W
9. 140° E
10. Mumbai (Bombay), India
11. Honolulu, Hawaii
12. Wellington, New Zealand
13. Cairo, Egypt

Lesson 7 - Parallels and Meridians

1. Tropic of Cancer
2. Tropic of Capricorn
3. Arctic Circle
4. Antarctic Circle
5. Equator
6. 24
7. Africa & Antarctica
8. Montana, Wyoming, Colorado New Mexico, & Texas

Lesson 8 - Locating Places

1. 38°N 122°W
2. 32°S, 116°E
3. 56°N, 38°E
4. 7°N, 80°E
5. 35°S, 56°W
6. Rome, Italy
7. Stockholm, Sweden
8. Brasilia, Brazil
9. Washington DC

10. Beijing, China
11. Capetown, South Africa
12. New Delhi, India
13. Mexico City, Mexico
14. fifty-nine degrees north of the Equator and eighteen degrees east of the Prime Meridian
15. sixteen degrees south of the Equator and forty-eight degrees west of the Prime Meridian
16. thirty-nine degrees north of the Equator and seventy-seven degrees east of the Prime Meridian

Lesson 9 - Around the World

1. X Anchorage, Alaska;
Honolulu, Hawaii
2. approximately 2,800 miles
3. X Tokyo, Japan;
Shanghai, China
4. 180th meridian
5. X Yangon, Myanmar;
Bombay, India
6. Southwest
7. X Riyadh, Saudi Arabia;
Ankara, Turkey
8. X Dublin, Ireland;
Reykjavik, Iceland
9. Southwest

Lesson 10 - Latitude Zones

1. low latitudes
2. middle latitudes
3. high latitudes
4. M= 35°N, L = 23°S, H=86°S, L=25°N
H=66°N, M=45°N, L=28°S L=5°S
5. M - Cape Town, South Africa, L - Miami, Florida US
H - Anchorage, Alaska, US M - Cairo, Egypt
M - Buenos Aires, Argentina L - Mexico City, Mexico
M - London, UK M - Edmonton, Alberta
M - Indianapolis, Indiana, US L - Honolulu, Hawaii, US
L - Kinshasa, Zaire M - Sydney, Australia
L - Hanoi, Viet Nam M - Tokyo, Japan
6. Uruguay
7. Tunisia

Lesson 11 - Rotation of the Earth

1. Denver, Colorado (could be Cheyenne, El Paso, Santa Fe, Albuquerque - actually any place between the east boundary of New Mexico and east side of Nevada)
2. Bombay, India
3. Honolulu, Hawaii
4. Madrid, Spain and London, UK
5. Ankara, Turkey
6. Tokyo, Japan
7. about 150 degrees movement
8. Paris, France
9. San Francisco, CA and Montreal, Canada
10. Damascus, Syria

Lesson 12 - Global Time

1. 7PM - Philadelphia, PA
2. 2AM - Alexandria, Egypt
3. Midnight - Accra, Ghana
4. 9AM - Kyoto, Japan
5. Midnight - London, Great Britain
6. 5PM - Denver, CO
 - A. 5AM
 - B. 4AM
 - C. 2AM
 - D. 7AM
 - E. 8AM
 - F. 9AM
 - G. 10AM
 - H. 11AM

Lesson 13 - When the Day Changes

1. C
2. B
3. A
4. 90
5. 270 - It is 270° not 90. The question asked from midnight not before
6. East
7. Monday
8. Counterclockwise
9. Tuesday
10. The Prime Meridian
11. ___ San Francisco, CA
12. X Sydney, Australia
13. X Capetown, South Africa
14. ___ Rio de Janeiro, Brazil
15. ___ Madrid, Spain

- 16. X Moscow, Russia
- 17. A - 10 AM, Saturday
B - 4 PM, Saturday
- 18. A - 7 PM, Saturday
B - 1 AM, Sunday
- 19. A - 5 AM, Sunday
B - 11 AM, Sunday
- 20. - 1 PM, Sunday
- 21. - 3 PM, Sunday
- 22. - 6 PM, Sunday
- 23. - 1 AM, Monday
- 24. Wed., June 24
- 25. Sun., July 28

Lesson 14 - Earth & Sun

- 1. 1. The Equator
- 2. The South Pole
- 3. B
- 4.

- | | |
|--------------------------|-----------------------|
| 6 Tokyo, Japan | 4 Portland, Oregon |
| 1 Lagos, Nigeria | 8 Barrow, Alaska |
| 7 Helsinki, Finland | 2 Mexico City, Mexico |
| 3 Pretoria, South Africa | 5 Dublin, Ireland |

- 5. High Latitudes (check that the students have written the Sun heat percentages in the correct places along the International Date Line.)

Lesson 15 - The Changing Seasons

- 1. March 21 - Spring
- 2. September 23 - Fall
- 3. Tropic of Cancer
- 4. Tropic of Capricorn
- 5. Arctic Circle
- 6. Antarctic Circle
- 7. away
- 8. summer
- 9. March 21 (You may wish to check to see if the students have their globe oriented properly in the Horizon Ring and have written the orbit points in the proper places before they answer questions.)

Lesson 16 - Daylight Hours

1.

8 - Antananarivo, Madagascar	4 - Houston, Texas
10 - Wellington, New Zealand	1 - Stockholm, Sweden
6 - Addis Abba, Ethiopia	9 - Newcastle, Australia
3 - Madrid, Spain	5 - Hanoi, Viet Nam
2 - Vancouver, Canada	7 - Lima, Peru

2. Tropic of Cancer and Tropic of Capricorn
3. June and December
4. June 20 and 21 (approximately)
5. March 21 and September 23 (approximately)