

Worksheet 5.2

Tables and Pictographs.

The following table contains information about moons orbiting a planet named Geo I. Use the table to solve the problems 1 through 3. See examples on pages 277-278 in text.

Moon	Average Distance from Geo I (km)	Diameter (km)	Time of Revolution (in Earth time, years)
Luna 1	4000	411	1.00
Luna 2	5200	2187	3.08
Luna 3	60,000	318	5.44
Luna 4	86,400	729	29.22
Luna 5	198,000	1140	75.24

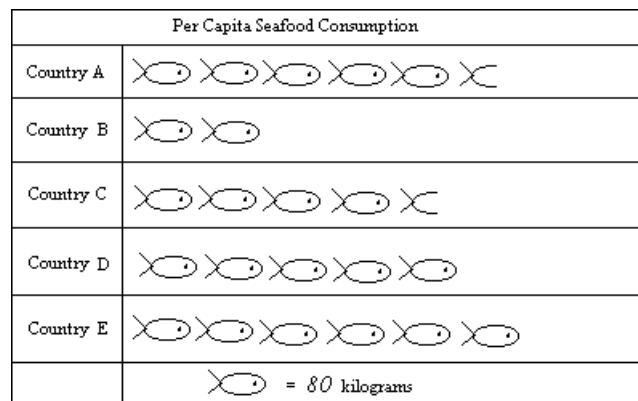
- Find the average distance from Geo I to its moon Luna 4.

A) 411 km B) 5200 km C) 60,000 km D) 86,4000 km
- Which moons have average distance from Geo I less than ten thousand kilometers?

A) Luna 1 only B) Luna 3, Luna 4, and Luna 5
C) Luna 1 and Luna 2 D) None
- About how many Luna 1 diameters would it take to get one Luna 3 diameter?

A) 3 B) 9 C) 15 D) 28

For selected countries, the pictograph shows approximately how many kilograms of seafood is consumed by each person (per capita) annually. Use the pictograph to solve problems 4 and 5.



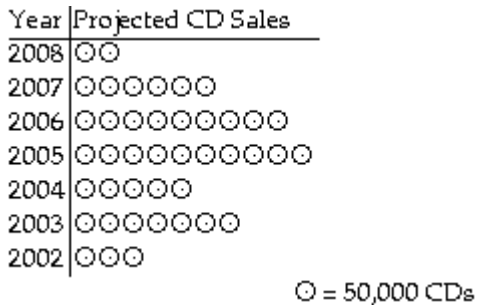
- What is the approximate per capita seafood consumption in Country C?

A) 5.5 kg B) 400 kg C) 360 kg D) Insufficient data given to answer question
- Approximately how many more kilograms of seafood is eaten per capita in Country A than in Country B?

A) 280 kg B) 3.5 kg C) 500 kg D) Insufficient data given to answer question

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This pictograph shows projected sales of compact discs (CDs) for a popular rap group for seven years. Use the pictograph to solve problems 6 and 7. See examples on pages 279-280 in text.



6. How many sales do 4 CD symbols represent?
- A) 4 B) 200,000 C) 100,000 D) 20,000
7. Between which two years was there the greatest decline in sales?
- A) Between 2002 and 2003 B) Between 2003 and 2004
C) Between 2006 and 2007 D) Between 2007 and 2008

Solve the problem. Round to the nearest unit. See examples on page 231 in text.

8. 191 children is 35% of what number of children?
- A) 54,600 B) 546 C) 2 D) 5460

Simplify. See examples on page 128 in text.

9. $\frac{6}{7} \cdot \left(\frac{1}{6} + \frac{1}{3}\right) \cdot \frac{14}{3}$
- A) $1\frac{1}{3}$ B) 1 C) 4 D) 2

Divide. See examples on page 28 in text.

10. $4765 \div 55$
- A) 86 R35 B) 86 C) 89 R47 D) 89 R5