Match the adjectives (1–4) to the nouns (a–d).
1. deep  c  a. height
2. high  b  b. width
3. long  c  c. depth
4. wide  d  d. length

Unscramble the letters to Fill in the blanks.
1. What  zes  i  shoes do you take?  size

2. What is the  dincaest  between London and Paris?  distance

3. Volume is  pedth  x  hihety  x  dithiwh.

4. What is the  ngthle  of an Olympic swimming pool?

Match the words (1–8) to the numbers (a–h).
1. two hundred and seventy billion  f
2. sixty four million  b
3. thirteen trillion  a
4. ten to the power of a thousand  c
5. fifty nine thousand  e
6. twelve to the power of a hundred  g
7. eight hundred and twenty billion  d
8. eighteen million  h

a. 13,000,000,000,000
b. \(12^{100}\)
c. \(10^{1000}\)
d. 820,000,000,000
e. 59,000
f. 270,000,000,000
g. 8,000,000
h. 64,000,000
Unscramble the words to make questions.

1. train / station / to / far / How / the / is / it
   How far is it to the train station?

2. is / How / garden / wide / your

3. building / How / the / is / Empire State / high

4. deep / How / is / puddle / that

5. you / What / trousers / size / do / wear

6. the / What / is / your / of / classroom / width

7. length / What / swimming / the / of / this / is / pool

8. long / is / How / a / court / tennis

Write these numbers as words.

a. 270,000,000,000
   two hundred and seventy billion

b. 64,000,000

c. 13,000,000,000,000

d. 101000

e. 59,000

f. 12100

g. 820,000,000,000

h. 18,000,000

Write the names of the planets.

- earth
-
-
-
- earth

Now find the planets from Exercise 1a in the word search.

Earth, Mars, Jupiter, Saturn, Uranus, Neptune, Venus, Mercury
Circle the correct answer.

1. What is the mass of the Sun?
   a. 2,569,832,000,000,000 g.
   b. 31852125 kg.
   c. 1,989,100,000,000,000,000,000,000,000,000 kg.

2. Why is Venus too hot but the Earth is right for life?
   a. No one knows.
   b. Volcanic activity.
   c. Friction and ice.

3. The speed of light is 300,000 kilometres a second; the star you want to visit is 43 light years away. Your spaceship travels at 500 kilometres per hour. How long would it take you to get there?
   a. 26,050,742 weeks.
   b. 5,624 years.
   c. 9,288,000 years.

4. What holds a star together?
   a. A large magnet.
   b. Atomic energy.
   c. Gravity.

5. You can tell the temperature of a star by its color.
   a. True.
   b. False.
   c. Sometimes.

6. In about 10,000 million years when our Sun dies, what will it become?
   a. A red giant.
   b. A white dwarf.
   c. A black hole.

7. What is the name of the closest star to the Earth?
   a. Electra.
   b. Mizar.
   c. Proxima Centauri.

8. What is the Earth’s atmosphere made of?
   a. 78 % nitrogen, 21 % oxygen with some water, CO2 and ozone.
   b. 90 % oxygen, 10 % CO2.
   c. 50 % oxygen, 40 % CO2, 10 % other gases.

9. How does the Sun produce energy?
   a. Nuclear reactions.
   b. Exploding volcanoes.
   c. Atomic bombs.

10. Match the latitude (1–3) to the sun’s rotation rate (a–c).
    1. Equator. ____ a. 28.2 days.
    2. Latitude 30 deg. ____ b. 31.8 days.
    3. Latitude 75 deg. ____ c. 26.8 days.

a) Match the gases (1–6) to the symbols (a–f).
   1. hydrogen ___ a. CO₂
   2. nitrogen ___ b. H₂
   3. oxygen ___ c. He
   4. carbon dioxide ___ d. CH₄
   5. helium ___ e. O₂
   6. methane ___ f. N₂

b) Write six more gases and their symbols.
   1. _______ iron ___ Fe
   2. _______          ___
   3. _______          ___
   4. _______          ___
   5. _______          ___
   6. _______          ___