

•REINFORCEMENT•

- 1 a) The table contains the names of eight planets. Match the halves of the words to find the planets.

|      |      |     |      |
|------|------|-----|------|
| Ea   | Ma   | Jup | Uran |
| Sa   | us   | rth | Nep  |
| Ve   | tune | Mer | rs   |
| iter | cury | nus | turn |

- b) Write the names of the planets from Exercise 1a.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- 2 Match the words (1–8) to the numbers (a–h).

1. two hundred and seventy billion *f* \_\_\_\_\_
  2. sixty four million \_\_\_\_\_
  3. thirteen trillion \_\_\_\_\_
  4. ten to the power of a thousand \_\_\_\_\_
  5. fifty nine thousand \_\_\_\_\_
  6. twelve to the power of a hundred \_\_\_\_\_
  7. eight hundred and twenty billion \_\_\_\_\_
  8. eighteen million \_\_\_\_\_
- 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

- 3 Match the adjectives (1–4) to the nouns (a–d).

- |                        |                     |
|------------------------|---------------------|
| 1. deep <i>c</i> _____ | a. height           |
| 2. high _____          | b. width            |
| 3. long _____          | <del>c.</del> depth |
| 4. wide _____          | d. length           |

- 4 Unscramble the letters to Fill in the blanks.

1. What *zesi* shoes do you take?  
*size* \_\_\_\_\_
2. What is the *dincaest* between London and Paris?  
\_\_\_\_\_
3. Volume is *pedth x hihetg x dtiwh*.  
\_\_\_\_\_
4. What is the *ngthle* of an Olympic swimming pool?  
\_\_\_\_\_

•CONSOLIDATION•

1 a) Write the names of the planets.

earth \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | D | F | O | W | G | R | H | M | S | U | Z | S | L | M |
| Q | M | P | G | K | Y | Y | F | S | A | O | U | N | G | E |
| W | H | H | R | X | P | D | C | Z | P | R | U | L | E | R |
| M | Y | Q | N | T | N | G | N | F | J | U | S | G | D | E |
| M | Y | Q | N | T | N | G | N | F | J | U | S | G | D | C |
| H | H | C | P | B | Q | E | E | K | X | O | F | B | V | U |
| L | F | S | J | Z | P | N | R | U | T | A | S | U | O | R |
| C | R | K | U | T | G | C | Z | C | M | K | D | O | P | Y |
| J | Z | Z | U | N | P | A | H | O | I | Q | M | H | G | A |
| L | U | N | K | T | A | V | E | N | U | S | W | T | F | K |
| S | E | P | F | V | O | R | Z | I | T | G | R | R | J | N |
| N | N | I | I | T | I | E | U | M | X | L | Q | A | F | S |
| I | I | C | U | T | E | Z | N | L | U | F | T | E | D | P |
| H | I | L | I | U | E | W | I | I | U | B | L | D | I | O |
| R | P | Z | B | W | W | R | L | Y | H | P | R | P | S | J |

2 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  
\_\_\_\_\_

3 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  
\_\_\_\_\_

## •EXTENSION•

**1 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 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, CO<sub>2</sub> and ozone.
  - b. 90% oxygen, 10% CO<sub>2</sub>.
  - c. 50 % oxygen, 40 % CO<sub>2</sub>, 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.

**2 a) Match the gases (1–6) to the symbols (a–f).**

- |                                |                    |
|--------------------------------|--------------------|
| 1. hydrogen <sup>b</sup> _____ | a. CO <sub>2</sub> |
| 2. nitrogen _____              | b. H <sub>2</sub>  |
| 3. oxygen _____                | c. He              |
| 4. carbon dioxide _____        | d. CH <sub>4</sub> |
| 5. helium _____                | e. O <sub>2</sub>  |
| 6. methane _____               | f. N <sub>2</sub>  |

**b) Write six more gases and their symbols.**

- |                            |                       |
|----------------------------|-----------------------|
| 1. _____ <i>iron</i> _____ | _____ <i>Fe</i> _____ |
| 2. _____                   | _____                 |
| 3. _____                   | _____                 |
| 4. _____                   | _____                 |
| 5. _____                   | _____                 |
| 6. _____                   | _____                 |