

•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.~~ 18,000,000
  - 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.

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.  $10^{1000}$   
\_\_\_\_\_
- e. 59,000  
\_\_\_\_\_
- f.  $12^{100}$   
\_\_\_\_\_
- 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. _____                   | _____                 |