Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 16

$$Y + Z + X = 20$$

$$X + X = 16$$

$$Z + X + Z = 18$$

SOLUTION

X	Y	Z

PUZZLE 17

$$Y + X + Y = 17$$

$$Y + Z + Z + X = 20$$

$$Z + Z + Z = 9$$

SOLUTION

X	Y	Z

PUZZLE 18

$$Z + X + Z = 26$$

$$Y + Y + Y + Y = 16$$

$$X + Y + Y + X = 24$$

SOLUTION

X	Y	Z

Riding without a
saddle

bareback
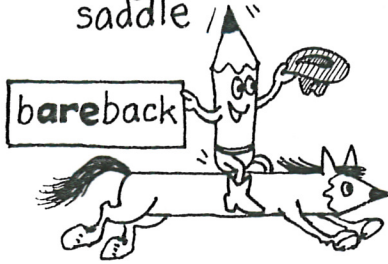
"ARE" YOU READY?

Each clue below suggests a word that contains the
consecutive letters A-R-E. See how many you can do.
Are you ready for these?

1. To look at angrily   _____

2. A four-sided figure   _____

3. Payment for travel   _____

4. To frighten   _____

5. Extra   _____

6. A word of warning   _____

7. Your mom or dad   _____

8. A type of trap   _____

9. A certain section or region _____

10. A place for sports contests _____

11. A signaling light   _____

12. Knowledgeable   _____

13. A female horse   _____

14. To divide and distribute   _____

19

_____ A "Black Widow"

_____ A plane that flies without a motor

_____ A drink made from pressed apples

20

_____ An opening in something

_____ A point scored in soccer

_____ A small, furry animal that tunnels underground

21

_____ A snake-like fish

_____ The type of sound made by a pig

_____ Not imaginary

22

_____ Three strikes in baseball

_____ Something you do when you do not get your way

_____ A plant that starts to grow from a seed

23

_____ A drink made from milk and ice cream

_____ An earth tremble

_____ To disturb someone's sleep
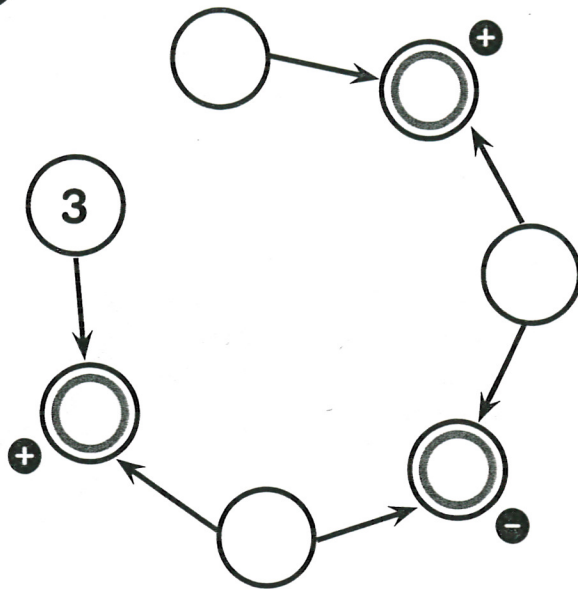
24

_____ Part of a fish

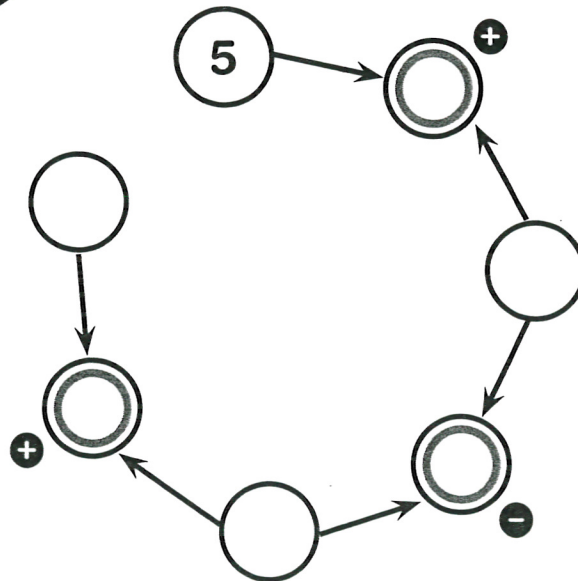_____ Not fat

_____ A type of smile

1 Circuit Septagon

Arrange the numbers
1, 2, 3, 4, 5, 6 and 7 to
make a septagon so each
gray circle is the indicated
combination of the two
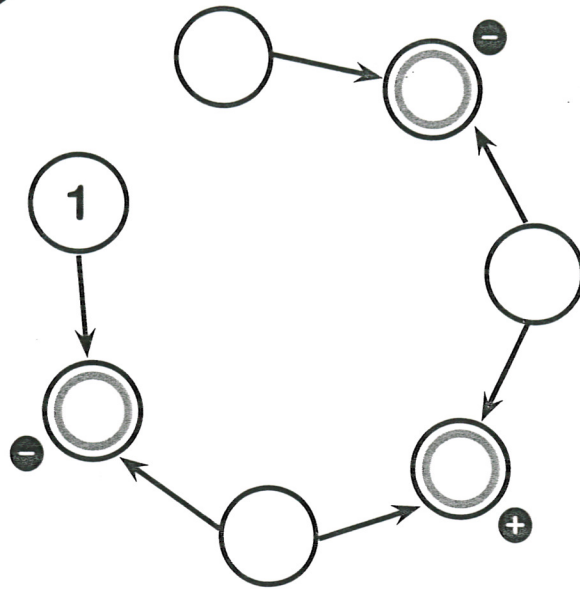adjacent white circles.

2 Circuit Septagon

Arrange the numbers
1, 2, 3, 4, 5, 6 and 7 to
make a septagon so each
gray circle is the indicated
combination of the two
adjacent white circles.

3 Circuit Septagon

Arrange the numbers 1, 2, 3, 4, 5, 6 and 7 to make a septagon so each gray circle is the indicated combination of the two adjacent white circles.

4 Circuit Septagon

Arrange the numbers 1, 2, 3, 4, 5, 6 and 7 to make a septagon so each gray circle is the indicated combination of the two adjacent white circles.