

# What Happened to the Cat Who Swallowed a Ball of Yarn?

Cross out the box containing each correct answer. When you finish, write the letters from the remaining boxes in the spaces at the bottom of the page.

- ① Find the median for each set of data.
- A. 49, 32, 67, 55, 58
  - B. 3.1, 5.2, 4.4, 5.0, 3.8, 2.6, 4.7
  - C. 29, 12, 30, 22, 7, 23, 36, 15, 18, 9
  - D. 81.6, 83.7, 78.5, 82.8, 81.2, 76.3, 83.5, 78.9
  - E. 110, 115, 109, 110, 116, 113, 112, 116, 110, 106, 113

F.

| Price of Zark VII game at various software stores |         |         |
|---|---------|---------|
| \$41.75   | \$43.89 | \$42.50 |
| 43.40   | 42.95   | 39.95   |
| 42.90   | 40.50   | 40.69   |
| 39.95   | 45.30   | 42.95   |

- ② The weekly salaries for 5 people who work at a Las Vegas hotel are given in the table.
- A. What is the mean salary?
  - B. What is the median salary?

|                    |          |
|--------------------|----------|
| Star of stage show | \$45,000 |
| Hotel manager      | 2,000    |
| Chief chef         | 1,500    |
| Publicity director | 1,100    |
| Lifeguard          | 400      |

- ③ Find the mode (or modes) for each set of data.

A.

| Suit Sizes |    |    |
|------------|----|----|
| 36         | 39 | 40 |
| 37         | 39 | 41 |
| 37         | 39 | 41 |
| 38         | 40 | 41 |
| 38         | 40 | 42 |
| 38         | 40 | 44 |
| 39         | 40 | 44 |

B.

| Times in 50-m Dash (s) |     |     |     |
|------------------------|-----|-----|-----|
| 5.7                    | 6.3 | 6.7 | 6.9 |
| 5.9                    | 6.3 | 6.7 | 7.0 |
| 6.0                    | 6.4 | 6.8 | 7.2 |
| 6.0                    | 6.5 | 6.9 | 7.3 |
| 6.2                    | 6.5 | 6.9 | 7.3 |
| 6.3                    | 6.7 | 6.9 | 7.5 |

C.

| Runs Scored |   |   |   |   |
|-------------|---|---|---|---|
| 3           | 7 | 2 | 8 | 4 |
| 1           | 4 | 0 | 5 | 7 |
| 2           | 2 | 4 | 1 | 5 |
| 7           | 1 | 5 | 6 | 7 |
| 0           | 5 | 3 | 2 | 2 |
| 6           | 4 | 9 | 5 | 9 |

- ④ The table gives typing speeds for 12 students in words per minute (wpm). Find the following for this set of data.
- A. The range
  - B. The mean
  - C. The median
  - D. The mode (or modes)

| Name    | Speed (wpm) | Name    | Speed (wpm) |
|---------|-------------|---------|-------------|
| Danny   | 31          | Allison | 30          |
| Celeste | 27          | Ramon   | 24          |
| Michael | 15          | George  | 18          |
| Kalon   | 31          | Jackie  | 35          |
| Matt    | 24          | Kim     | 28          |
| Rachel  | 13          | Robert  | 24          |

|          |         |       |        |         |        |       |     |      |         |          |
|----------|---------|-------|--------|---------|--------|-------|-----|------|---------|----------|
| TH       | SH      | ON    | E      | OW      | EH     | IT    | GL  | AD   | SO      | M        |
| 25.5 wpm | 3       | 20    | 22 wpm | \$1,500 | 27 wpm | 6.9 s | 112 | 82.1 | 24 wpm  | \$11,200 |
| E        | KN      | IT    | IS     | CA      | TE     | AM    | YA  | NK   | NS      | RN       |
| 2 and 5  | \$42.70 | 6.5 s | 55     | 25 wpm  | 38     | 81.4  | 40  | 4.4  | \$43.20 | \$10,000 |