

# The Mystery of the Missing Microphones at the End of Term Play - Answers

Clue 1: What's Your Angle?

There are more acute angles so the microphone thief wore a chain and dropped it.

|               |               |
|---------------|---------------|
| Obtuse angles | a c e h i l   |
| Acute angles  | b d f g j k m |

Clue 2: Words Equal Numbers

The microphone thief was nine years of age.

|                   |              |                      |            |
|-------------------|--------------|----------------------|------------|
| 51<br>was         | 35<br>eight  | 67<br>thief          | 66<br>male |
| 8<br>curry        | 502<br>years | 20<br>fish and chips | 363<br>age |
| 150<br>microphone | 57<br>burger | 6<br>the             | 50<br>shoe |
| 28<br>size        | 80<br>of     | 353<br>ten           | 29<br>nine |

Clue 3: Give Me More Time

There are more < signs. The thief is female.

- |      |      |
|------|------|
| 1. = | 5. > |
| 2. < | 6. < |
| 3. > | 7. < |
| 4. > | 8. < |

Clue 4: Missing Fractions

The microphone and headset thief had size three feet

|                              |                        |                           |                         |
|------------------------------|------------------------|---------------------------|-------------------------|
| $\frac{5}{6}$<br>the         | $\frac{1}{9}$<br>ten   | $\frac{3}{7}$<br>headsets | $\frac{5}{10}$<br>thief |
| $\frac{2}{3}$<br>age         | $\frac{3}{4}$<br>and   | $\frac{1}{6}$<br>female   | $\frac{1}{4}$<br>chain  |
| $\frac{4}{8}$<br>microphones | $\frac{4}{10}$<br>four | $\frac{6}{8}$<br>had      | $\frac{4}{9}$<br>feet   |
| $\frac{6}{7}$<br>curry       | $\frac{1}{3}$<br>size  | $\frac{3}{8}$<br>male     | $\frac{4}{7}$<br>three  |

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Clue 5: Different Questions

First word:

Number of hours in a day = **24**

$7 \times 3 = \mathbf{21}$

Half of 32 = **16**

Double ten, add one = **21**

Word: **food**

Second word:

$112 - 93 = \mathbf{19}$

Number of thirteens in sixty-five = **5**

Word: **is**

Third word:

The number of days in three weeks = **21**

$12 \times 2 = \mathbf{24}$

Degrees in a right angle = **90**

The length of this line, times 3 = **27**

The number of minutes in  $\frac{3}{4}$  of an hour = **45**

The number of 20p coins which equal £2.00 = **10**

$40 \div 8 = \mathbf{5}$

The perimeter of a rectangle with sides 12cm and 6cm long = **36**

The number of seasons = **4**

Word: **favourite**

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Fourth word:

$$100 \div 10 = \mathbf{10}$$

$$\text{Double } 25 = \mathbf{50}$$

$$9 \times 3 = \mathbf{27}$$

$$\text{XXVII} = \mathbf{27}$$

Number of edges on a cuboid = **12**

Word: **curry**

**Favourite food is curry.**

The thief of High Brook Academy is **Lily Leadrole!**