











Questions for Wise Owl and the Festival of Factors

Read the story together first. Use one question at each page, then the question at the end. Answers are below the dotted line: fold them under or cover them while reading.

Page 1 • Twenty-Four Lantern Flags

If the 24 flags hang in 4 equal rows, how many flags go in each row?

Choices: 5 · 6 · 7 · 9

Page 2 • The Prime Chime

Which number is prime?

Choices: 21 · 23 · 25 · 27

Page 3 • When the Ribbons Meet

What is the first common multiple of 4 and 6 after zero?

Choices: 8 · 10 · 12 · 24

Page 4 • The Square Reading Garden

How many cushions belong in each row of a square made from 16 cushions?

Choices: 4 · 5 · 6 · 8

Answers (fold under before reading)

Page 1: 6. Four rows of 6 make $4 \times 6 = 24$. So 4 and 6 are a factor pair of 24.

Page 2: 23. Twenty-three has exactly two factors, 1 and 23, so its chimes only make 1 row of 23. The others can be shared out: $21 = 3 \times 7$, $25 = 5 \times 5$ and $27 = 3 \times 9$.

Page 3: 12. Multiples of 4 are 4, 8, 12... and multiples of 6 are 6, 12... The first match is 12.

Page 4: 4. A square has the same number of rows and columns. Since $4 \times 4 = 16$, each row has 4 cushions. That makes 16 a square number.