



Detail

2025 Y5 T4W7 Mathematical Reasoning Test



Review

**Question 34**

Nicholas went shopping and spent one-third of his money on a present for his mother. He then spent one-third of what remained on craft papers for his classmate, Sharon. He then had \$12 left.

How much money did he have to begin with?

$$\begin{aligned} 1 - \frac{1}{3} &= \frac{2}{3} \\ \text{mother} \rightarrow \frac{2}{3} &= \frac{2}{9} \leftarrow \text{art + craft paper} \end{aligned}$$

$$\text{Fraction he had remaining} = \frac{2}{3} - \frac{2}{9} = \frac{6}{9} - \frac{2}{9} = \frac{4}{9}$$

$$\frac{4}{9} \text{ of original money} = 12$$

$$\frac{1}{9} \text{ of } " " = 3$$

To

- \$27
- \$36
- \$72
- \$108
- \$112

 **Correct answer:**

\$27

 **Hint:**

Working Backwards:

Before craft paper = $12 \div 2/3 = 12 \times 3/2 = \18 Before present for mum = $18 \div 2/3 = \$27$