

### ACTION

### RESPONSE

For each question work out the original price:

- |  |   |
|--|---|
| 1. Price is reduced by 20%. The sale price is £220   | 1. Price is reduced by 12%. The sale price is £242    |
| 2. Price is reduced by 15%. The sale price is £102   | 2. Price is reduced by 40%. The sale price is £507    |
| 3. Price is reduced by 25%. The sale price is £12.75 | 3. Price is reduced by 35%. The sale price is £123.50 |

#### Fluency



#### Reasoning



Josh answered 80% of the questions in a test correctly. He answered 48 of the questions correctly. Work out the total number of questions in the test.

The price of all rail season tickets to London recently increased by 4%. The price of a rail season ticket from Birmingham to London increased by £121.60. Work out the price before this increase.

#### Problem Solving



In July, a miniature railway increased its prices by 25% to £1.50 and visitor numbers in August dropped by 8% to 5520:

- What was the price in July?
- How many visitors were there in July?
- Their costs haven't changed, but they made 30% profit in August. How much profit did they make in pounds in August?
- How much profit did they make in July?
- Was it a good idea to raise the prices?



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