

ACTION

RESPONSE

Find the multiplier that is used to calculate each change:

- | | |
|---------------------|---------------------|
| 1. Increase of 40% | 4. Decrease by 30% |
| 2. Increase of 25% | 5. Decrease by 25% |
| 3. Increase of 7.5% | 6. Decrease by 2.5% |

Fluency



Reasoning



There are 800 fish in a lake, the population is decreasing by 15% each year. Draw a table to show the fish population over 8 years. Then write a formula to show the population of fish in 'n' years.

A pair of shoes costs £50 on Monday, a sale is reducing the cost by 15% each day until a sale. Draw a table to show the cost of the boots if they don't sell until Saturday. What percentage have they been reduced by since Monday on Saturday?

Problem Solving



The value of a new car is £16,000. Each year it loses 15% of its value. Calculate:

- The value after 4 years
- After how many complete years the cars value will drop below £4000

The population of a town is 52,000 and increases by 1.5% each year.

- What is the population 6 years from now?
- When will the population reach 60,000?



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