

**28/1/21**

**LO: to calculate percentage increases and decreases.**

Loom Link:

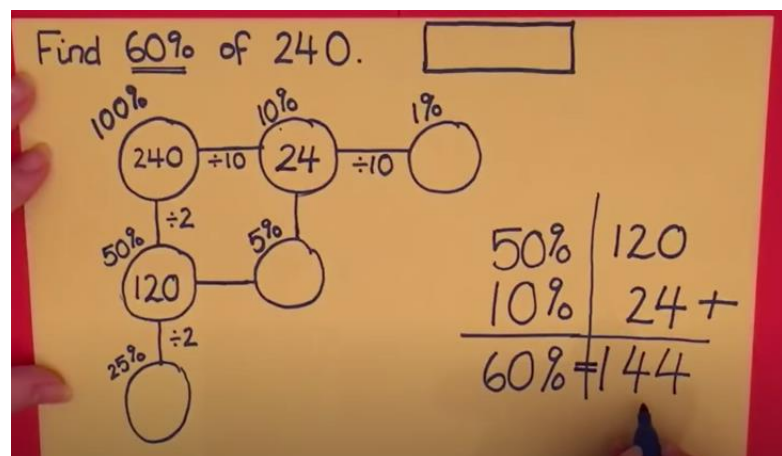
[https://www.loom.com/share/878fb306238247308b446e2402df5713?shareAppSource=personal\\_library](https://www.loom.com/share/878fb306238247308b446e2402df5713?shareAppSource=personal_library)

Before we start:

**'increase'** means getting **more** or **bigger**

**'decrease'** means getting **less** or **smaller**

Now remind yourself of the bubble method for calculating percentages of amounts: [Finding Percentages of Numbers - YouTube](#)



## **STARTER**

Match the answers to the correct question.

**210**

**75% of 160**

**120**

**10% of 37**

**80**

**40% of 200**

**3.7**

**60% of 350**

# Practice Questions Varied Fluency

Varied Fluency 1

Increase the following numbers by 35%.

A) 300

B) 60

C) 50


Two simple steps:

- 1) find 35%
- 2) add it to the 100% amount.


Varied Fluency 2

Jaxon is reducing the prices of items in his shop by 20%.


Calculate the new prices.



£10.50



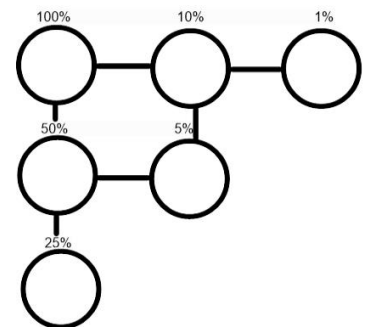
£15



£12

Two simple steps:

- 1) find 20%
- 2) subtract it from the 100% amount.



# Practice Questions

## Reasoning and Problem Solving

### Reasoning 1

Alex is selling her car.

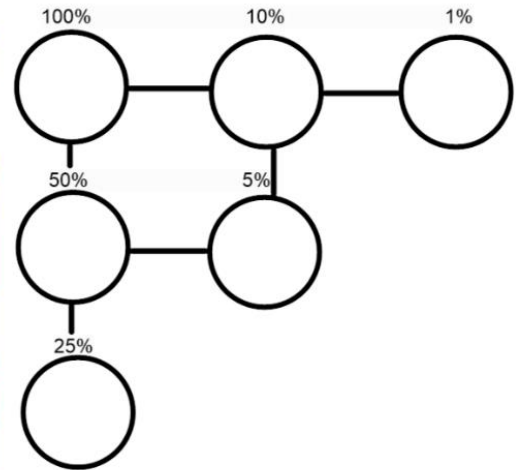
The car has decreased in value by 35% since she bought it.

She paid £3,500.

She has worked out that the car is now worth £2,500.

Is Alex correct?

Explain your answer.



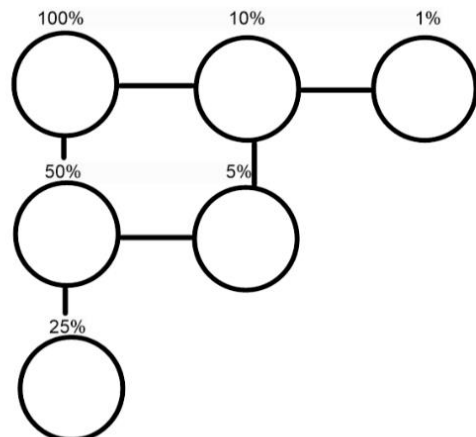
### Problem Solving 1

Theo is buying some trainers.

There is 5% off for today only.

Theo calculates that 5% of the cost of the trainers is £6.50.

What is the original price of the trainers?



5% = £6.50

## Now complete the independent tasks: easy, medium or hard!

*Feeling brave? Have a go at the extra difficult extension activity... if you dare!*