

Thursday (hard) – LO: to calculate percentage increases and decreases.


Varied fluency

9a. Increase the following numbers by 38%.

A) 28




B) 42


C) 95

 VF

10a. Tye is reducing the prices of items in his shop by 12%.

Calculate the new prices.


 £9.50  £11.50  £19.50

 VF

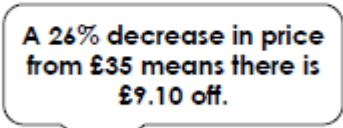
11a. Pippa scored 52 in her flute exam.


She made herself a target of scoring 18% more in her next exam.


What does her score need to be to hit her target?

 VF

12a. True or false?

 A 26% decrease in price from £35 means there is £9.10 off.



 VF

Reasoning and problem solving


7a. Safeeyah is selling her van.

The van has decreased in value by 7% since she bought it.


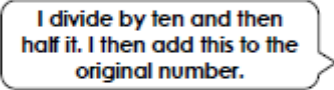
She paid £4,500.


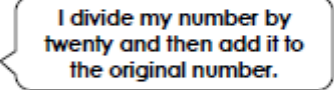
She has worked out that the van is now worth £3,185.

Is Safeeyah correct? Explain your answer.


 R

8a. Two children were asked to explain their method for calculating a 5% increase:

  I divide by ten and then half it. I then add this to the original number.

  I divide my number by twenty and then add it to the original number.

Who has the most efficient method? Explain your answer.


 R

9a. Olivia is buying a bike.

There is 60% off for today only.

Olivia calculates that 60% of the cost of the bike is £120.

What is the original price of the bike?

 PS