LO To use the inverse (opposite) to check answers

1) 10 + ? = 25   2.) 28 - ? = 10   3) ? + 11 = 31

____ - ____ = ?   ____ - ____ = ?   ____ - ____ = ?

4. Elliot has 21 smelly stickers. He also has some non-smelly stickers. In total he has 45 stickers. How many non-smell stickers does he have? _____

5. Alessia got 34 presents for Christmas. However, she lost some. Now she only has 15 presents. How many did she lose? _____

6. Amelie got £40 pocket money last year. This year she was also given some more pocket money.
Now she has £93 altogether. How much money did she get this year? _____

Challenge

Geoffrey has left his homework until the last minute and has rushed through some of the questions.
Can you check his homework using the inverse operation?

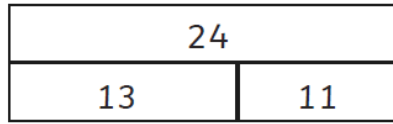| Question	Calculation	Inverse	Correct?
e.g.	76 - 45 22	2 2 + 4 5 6 7	✗
1	75 + 49 124		
2	972 - 284 588		

LO To use the inverse (opposite) to check answers

Fill in the missing gaps below to create inverse number sentences. Can you get back to where you started? Use the models to help you.
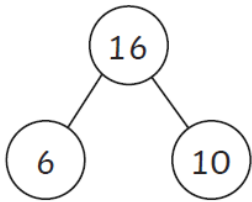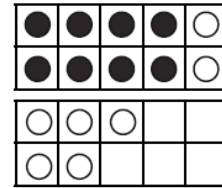
16 - ____ = ____

____ + ____ = 16

____ + ____ = 24

24 - ____ = ____

____ - ____ = ____

____ + ____ = ____

Can you write inverse number sentences using the numbers 22, 14 and 8? Draw or make as many models as you can to match.

Complete the bar model below.

25	73
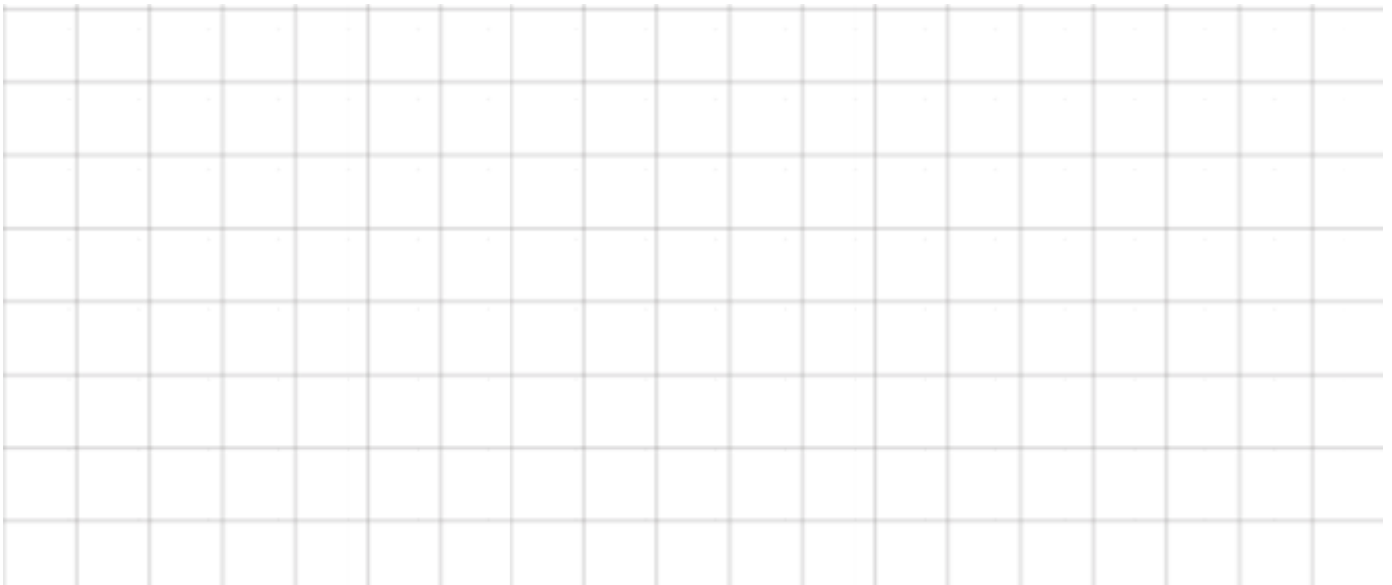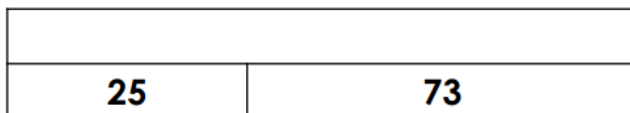
Write a calculation to check your answer.
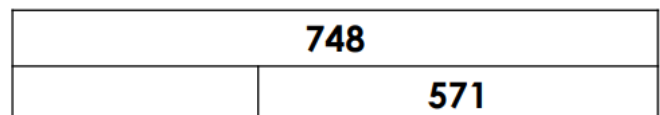
Complete the bar model below.

748
571

Write a calculation to check your answer.

LO To use the inverse (opposite) to check answers

1. Use the inverse operation to complete the calculations below.

A.   ☐ + 51 = 69

B.   31 + ☐ = 93

C.   ☐ − 72 = 24

D.   ☐ − 22 = 36

2. Match the calculation to its inverse.

A. 2,700 + 4,280 = 6,980

B. 9,690 − 5,220 = 4,470

C. 3,527 = 1,818 + 1,709

D. 9,690 = 5,220 + 4,470

E. 6,980 − 2,700 = 4,280

F. 3,527 − 1,818 = 1,709

Rebecca and Tom are checking their answers to the calculation below.

792 + 154 = 946

We can check our answer by subtracting 154 from 946.

We can check our answer by subtracting 792 from 946.

Rebecca   Tom

Who is correct? Explain your answer.

Mohammad thinks of a number. He adds 48 and his new number is 234. What was Mohammed's starting number?

Mia thinks of a number. She subtracts 48 and her new number is 127. What was Mia's starting number?

Sofia thinks of a number. She subtracts 92 and her new number is 234. What was Sofia's starting number?