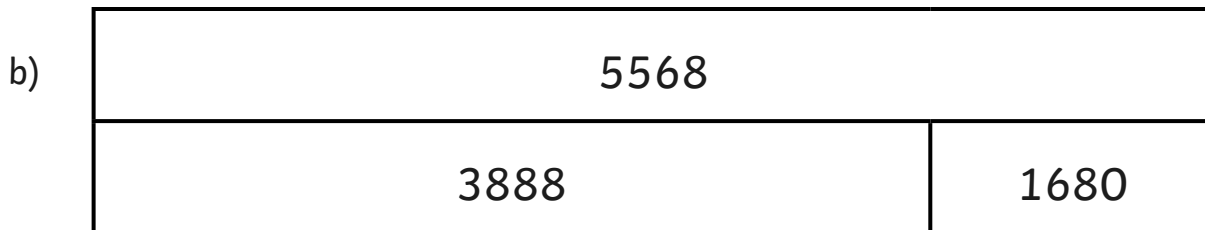# Using Bar Models in Addition and Subtraction
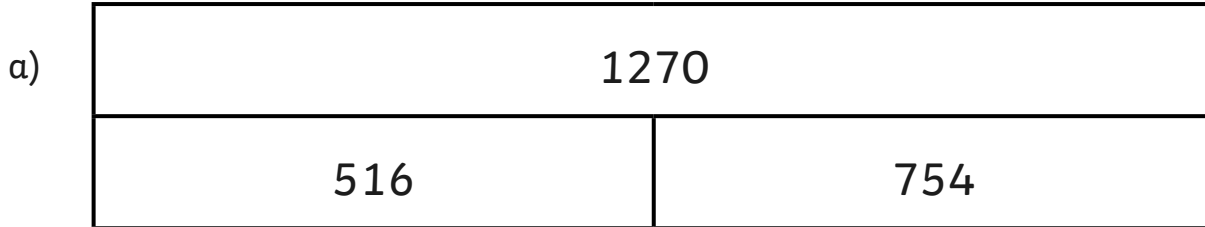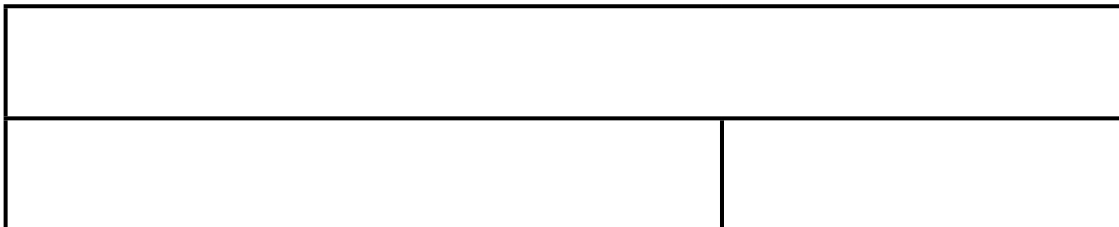
1. Can you write an addition and a subtraction calculation for each bar using the given numbers?

a)

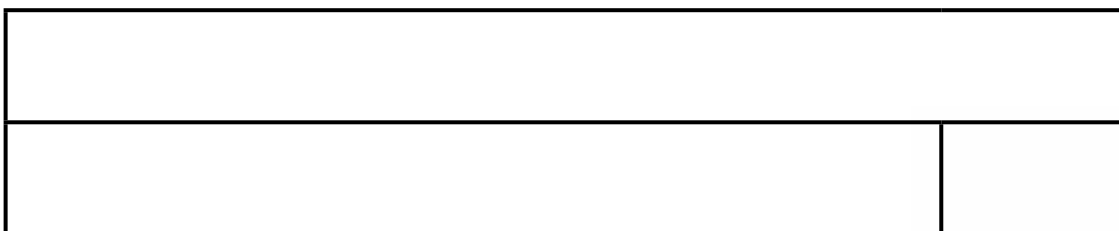| 1270	
516	754

b)

5568	
3888	1680

2. Can you write an addition and a subtraction calculation for each bar using the given numbers?

a) 6509 + 2170 = _____

b) 1890 - 362 = _____

c) 5002 - _____ = 2450
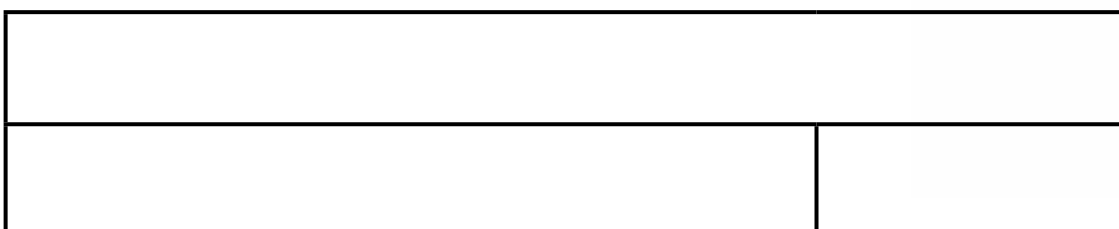
3. Now, draw a bar model in the space below the question to help you to solve the problems below.

   a) Sally has 7310 football cards in her collection folder. The whole folder holds 9000 football cards in total. How many more football cards does Sally need to complete her collection?

   b) The fish and chip shop had 4056 haddocks in their freezer. The shopkeeper ordered another 2300 haddocks from the wholesalers. How many haddocks do they now have in total?

Challenge

Now it's your turn...can you invent a word problem that involves the numbers 7318, 5395 and 1923? Can you draw and label a bar model to help you **show** the maths in your chosen calculation?

Using Bar Models in Addition and Subtraction – **Answers**

question	answer	question	answer
1.		**3.**	
a	Two calculations from: 516 + 754 = 1270 754 + 516 = 1270 1270 – 754 = 516 1270 –516 = 754	a	9000 cards to fill folder 9000 7310 / 1690 Sally's cards / cards needed
b	Two calculations from: 3888 + 1680 = 5568 1680 + 3888 = 5568 5568 – 1680 = 3888 5569 – 3888 = 1680	b	6356 total number of haddocks 6356 4056 / 2300 haddocks in freezer / haddocks ordered
2.		**Challenge**	
a	6509 + 2170 = 8679 8679 2170 / 6509		Any word problem and bar model relating to; 1923 + 5395 = 7318 5395 + 1923 = 7318 7318 – 1923 = 5395 7218 – 5395 = 1923
b	1890 – 362 = 1528 1890 362 / 1528		
c	5002 – 2552 = 2450 5002 2450 / 2552		