

Year 4: Bar models: part-whole and comparison: answers

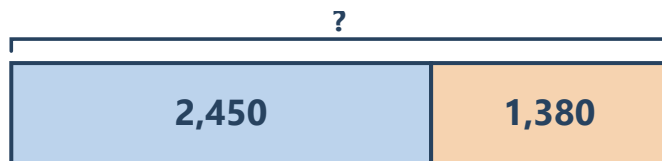
Year 4 - Column Addition and Subtraction - Lesson 2.5

Answers. Final answers to the worksheet questions. Full step-by-step solutions for every question are free at websink.site/ks2-sats/maths/year-4/ch02-addition-subtraction/bar-models-part-whole-and-comparison/

Exercise 2E Bar models Non-calculator

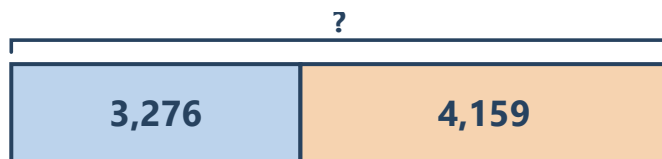
1 Find the total in each bar model. Work out the number that replaces the question mark.

(a)



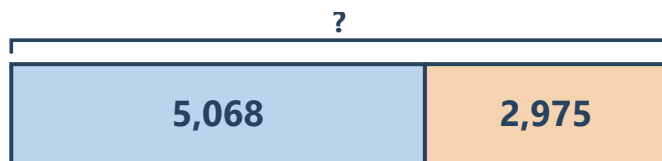
Answer: 3,830

(b)



Answer: 7,435

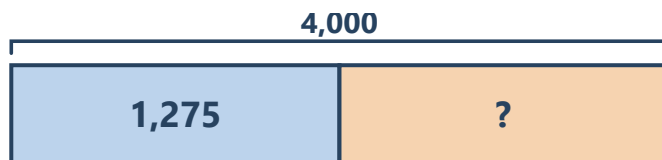
(c)



Answer: 8,043

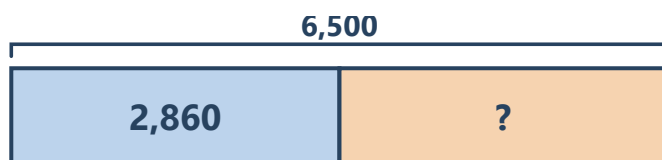
2 Find the missing part in each bar model.

(a)



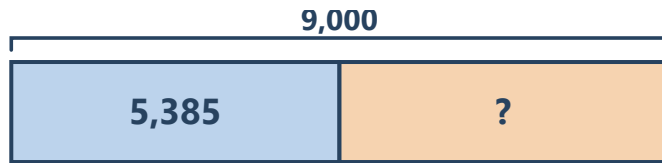
Answer: 2,725

(b)



Answer: 3,640

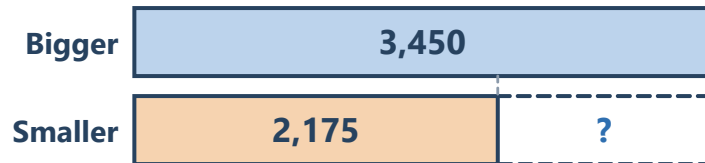
(c)



Answer: 3,615

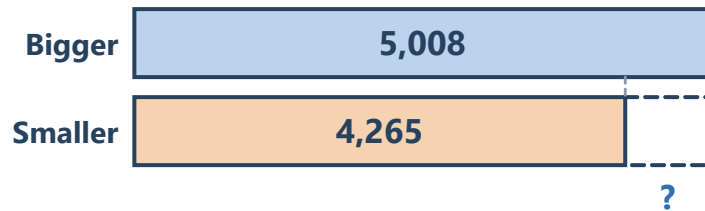
3 Find the difference between the two amounts in each bar model.

(a)



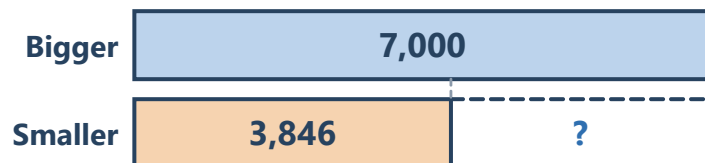
Answer: 1,275

(b)



Answer: 743

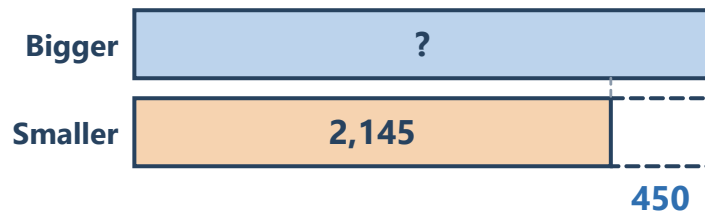
(c)



Answer: 3,154

4 Find the number that replaces the question mark in each comparison bar model.

(a)



Find the bigger amount.

Answer: 2,595

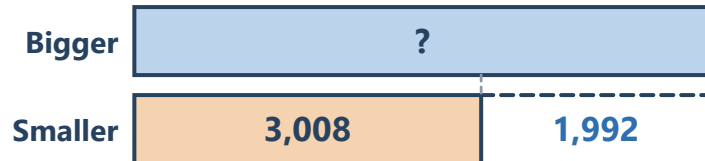
(b)



Find the smaller amount.

Answer: 4,425

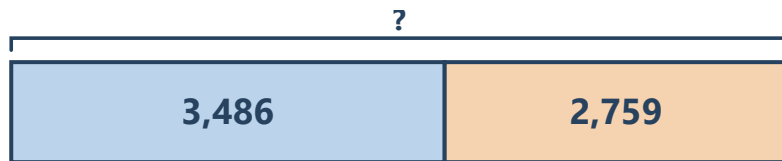
(c)



Find the bigger amount.

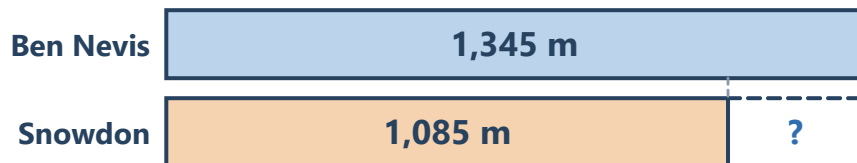
Answer: 5,000

- 5 A library has 3,486 fiction books and 2,759 non-fiction books. How many books does the library have altogether?



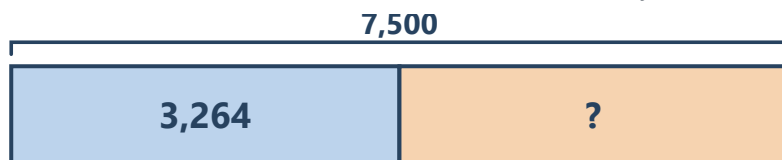
Answer: 6,245 books

- 6 Ben Nevis is 1,345 m high. Snowdon is 1,085 m high. How much higher is Ben Nevis than Snowdon?



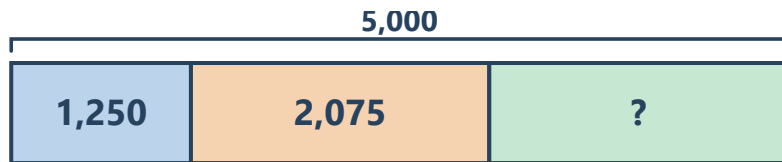
Answer: 260 m

- 7 A box has 7,500 beads. 3,264 beads are blue and the rest are red. How many beads are red?



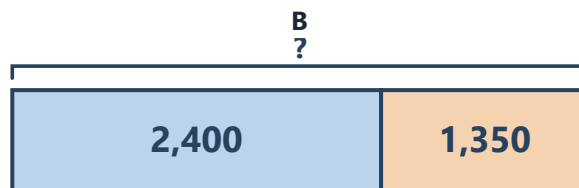
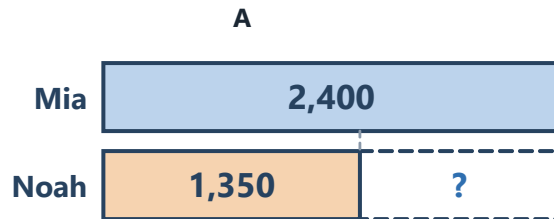
Answer: 4,236 red beads

- 8 A box has 5,000 beads. 1,250 are red and 2,075 are blue. The rest are green. How many beads are green?



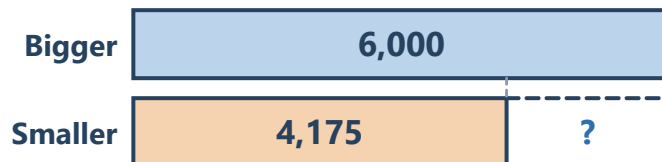
Answer: 1,675 green beads

- 9 Mia has 2,400 stickers. Noah has 1,350 stickers. How many more stickers does Mia have than Noah? Which bar model, A or B, matches the question? Then answer the question.



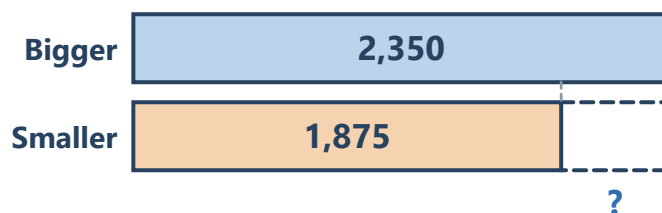
Answer: A. Mia has 1,050 more stickers.

- 10 Priya says, "To find the difference between 6,000 and 4,175, I can work out $4,175 + ? = 6,000$." Is Priya right? Work out the difference to find out.



Answer: Yes. The difference is 1,825.

- 11 Always, sometimes or never? The difference between two numbers is smaller than the bigger number. (Both numbers are bigger than 0.)



Answer: Always

- 12 Two numbers add up to 9,000. The difference between them is 1,200. What are the two numbers?



Answer: 3,900 and 5,100