

Year 5: Bar models and multi-step problems: worksheet

Year 5 - Column Addition and Subtraction - Lesson 2.5

Name: _____

Date: _____

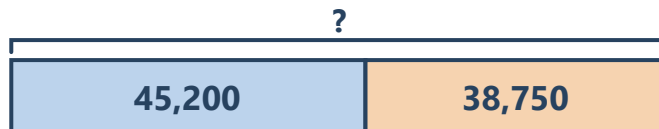
Score: _____

16 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/ks2-sats/maths/year-5/ch02-addition-subtraction/bar-models-and-multi-step-problems/

Exercise 2E Bar models and multi-step problems Non-calculator

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

(a)



Answer: _____

(b)



Answer: _____

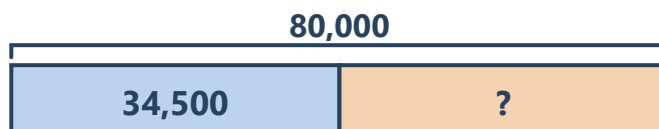
(c)



Answer: _____

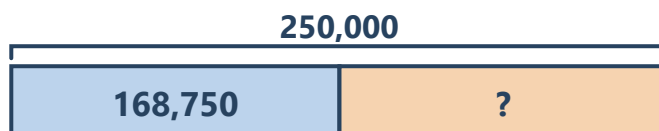
2 Find the missing part in each bar model.

(a)



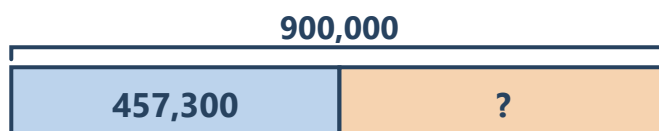
Answer: _____

(b)



Answer: _____

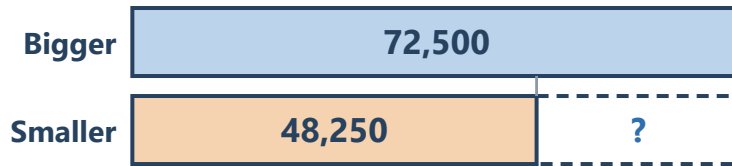
(c)



Answer: _____

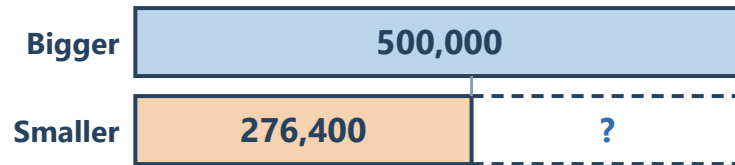
3 Find the difference between the two amounts in each bar model.

(a)



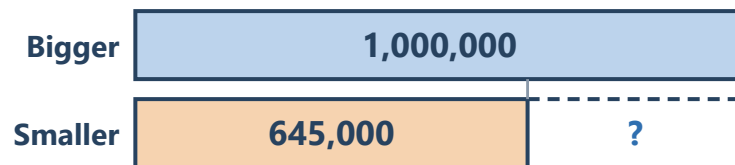
Answer:

(b)



Answer:

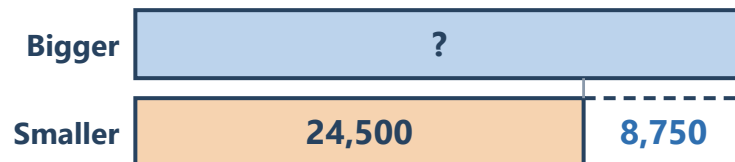
(c)



Answer:

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

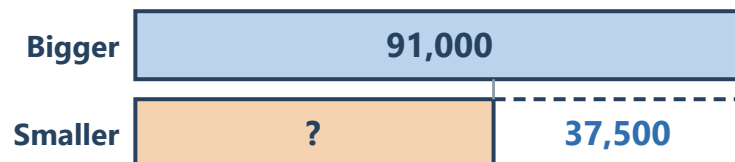
(a)



Find the bigger amount.

Answer:

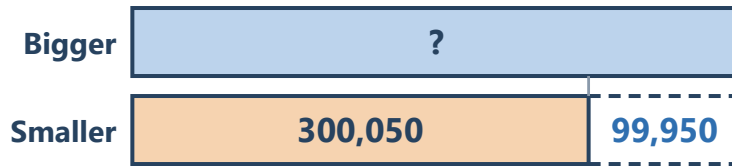
(b)



Find the smaller amount.

Answer:

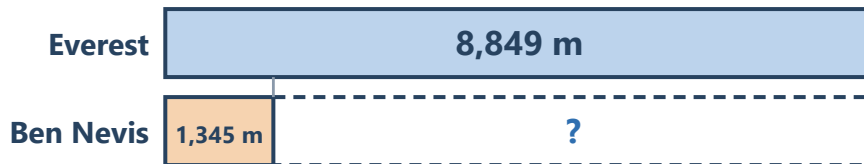
(c)



Find the bigger amount.

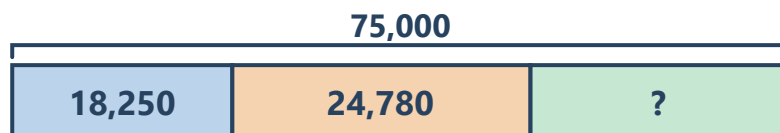
Answer:

- 5 Mount Everest is 8,849 m high. Ben Nevis is 1,345 m high. How much higher is Mount Everest than Ben Nevis?



Answer:

- 6 A water tank holds 75,000 litres. A factory uses 18,250 litres on Monday and 24,780 litres on Tuesday. How many litres are left?



Answer:

- 7 Hull has 125,400 people. Marsh Bay has 36,850 fewer people than Hull. How many people live in Hull and Marsh Bay altogether?



Answer:

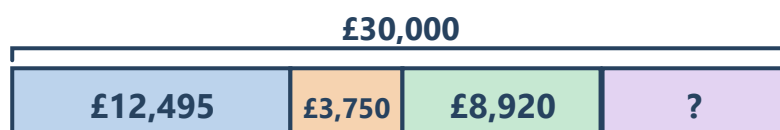
- 8 A festival site has 48,600 people in it. 15,750 people leave and 22,400 people arrive. How many people are on the site now?

Answer:

- 9 Dev drives 18,650 km one year and 27,340 km the next. Mia drives 52,000 km in the same two years. How much further does Mia drive than Dev?

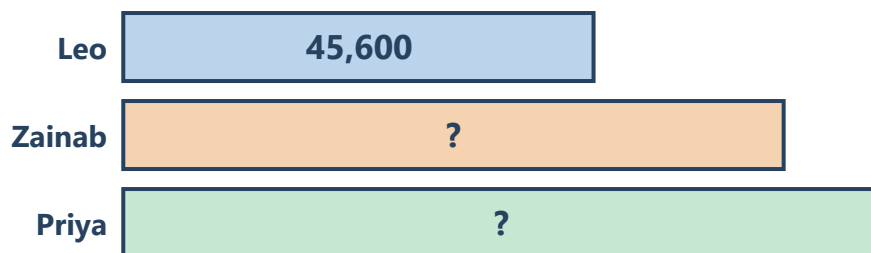
Answer:

- 10 A club has £30,000. It buys a minibus for £12,495, a trailer for £3,750 and sports kit for £8,920. How much money does the club have left?



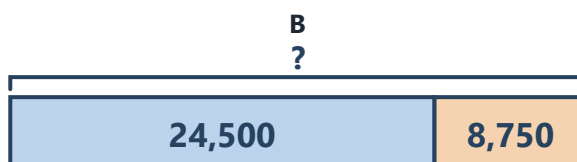
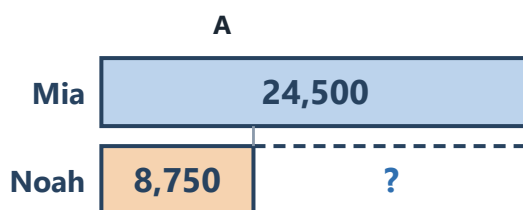
Answer:

- 11** In a quiz, Leo scores 45,600 points. Zainab scores 18,400 more points than Leo. Priya scores 9,250 more points than Zainab. How many points do the three children score altogether?



Answer:

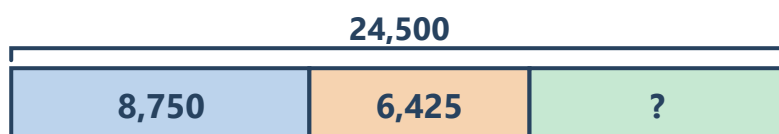
- 12** Mia has 24,500 stickers. Noah has 8,750 stickers. How many more stickers does Mia have than Noah? Which bar model, A or B, matches the question? Then answer the question.



Answer:

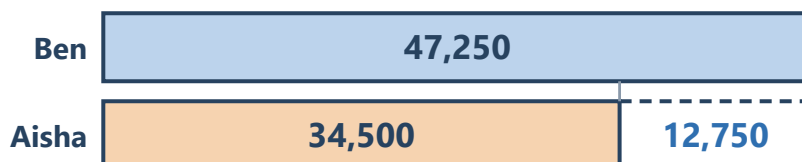
- 13** A baker makes 24,500 rolls. She sells 8,750 rolls in the morning and 6,425 rolls in the afternoon. Which two calculations show how many rolls are left? Tick **two** boxes.

- A $24,500 + 8,750 + 6,425$
 B $24,500 - 8,750 - 6,425$
 C $24,500 - 8,750 + 6,425$
 D $24,500 - (8,750 + 6,425)$



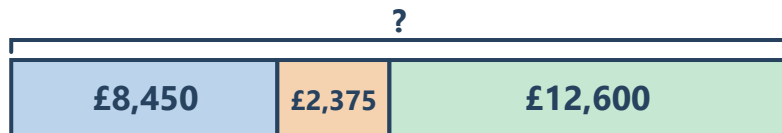
Answer:

- 14** Aisha scores 34,500 points. Ben scores 12,750 more points than Aisha. How many points do Aisha and Ben score altogether? Ravi says the answer is 47,250. What mistake did Ravi make? What is the correct answer?



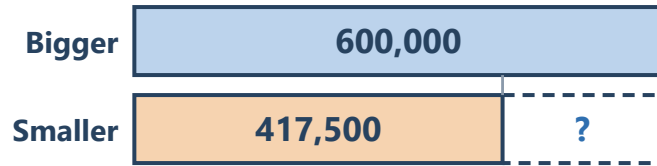
Answer:

- 15** A school buys a laptop for £8,450 and a printer for £2,375. After that it has £12,600 left. How much money did the school have at the start?



Answer:

- 16** Prove it. Priya says, "To find the difference between 600,000 and 417,500, I can work out $417,500 + ? = 600,000$." Is Priya right? Work out the difference to find out.



Answer:
