

What to Do?

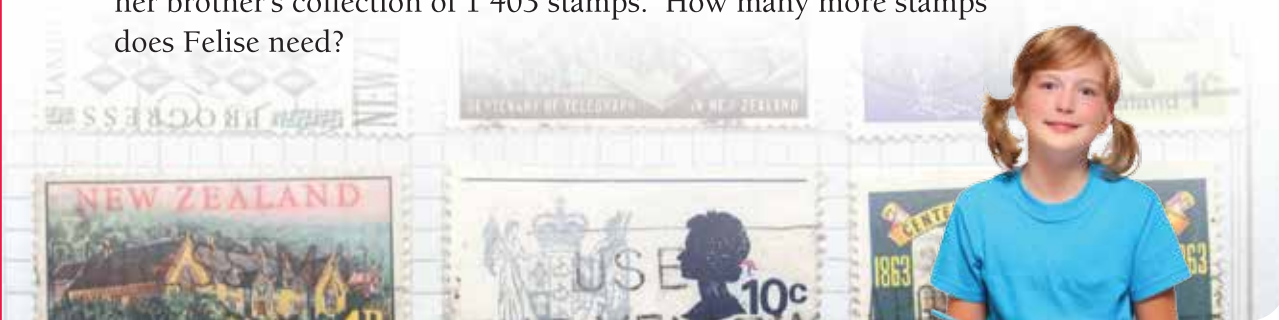


You need a calculator (optional)

Activity

1. Ben has this problem to solve:

Felise has 874 stamps in her stamp collection. She wants to match her brother's collection of 1 403 stamps. How many more stamps does Felise need?



Ben draws a box diagram showing Felise's problem:

1 403	
874	?

Write down the equation Ben could use to solve Felise's problem, then work out the answer.

2. a. Asosi takes out \$986 from his bank account to pay for his flight to Sāmoa. His new account balance is \$1,309.

Which of the two box diagrams below will help you to work out how much money was in Asosi's account before he paid for the flight? Explain your answer.

i.

\$?	
\$986	\$1,309

ii.

\$986	\$?
\$1,309	

b. How much money was in Asosi's account before he paid for the flight?



For each of the problems below, write down the equation you would use to solve it. (Box diagrams may be helpful for some of the problems.) Then work out the answer to the problem. (Use a calculator if you need to.)

3. Leonie picked plums off her plum tree and shared them equally between herself and 6 of her friends. She gave each person 39 plums.

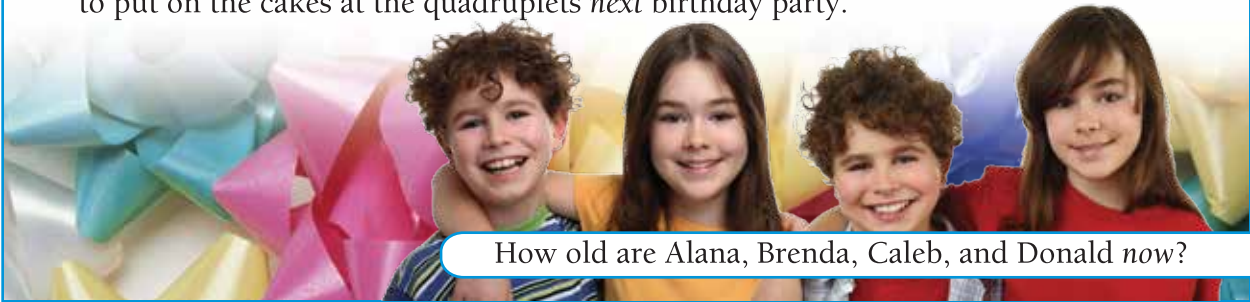


How many plums did Leonie pick altogether?

4. Jim loads cartons of drinks onto a pallet. There are 24 cans of drink in each carton and a total of 864 cans on the whole pallet.

How many cartons are there?

5. Alana, Brenda, Caleb, and Donald are quadruplets. They were born on the same day to the same parents. Their parents will need to buy 52 candles altogether to put on the cakes at the quadruplets' next birthday party.



How old are Alana, Brenda, Caleb, and Donald now?

6. Jackie has 9 times as many All Black cards as Guy. Jackie has 756 cards altogether.

How many cards does Guy have?

7. Chris has twice as many marbles as Sophie. Altogether they have 1 248 marbles.



How many marbles does Chris have?

8. There are 38 people on a train that has 3 carriages. The last carriage has 8 more people than the front carriage. The middle carriage has 5 fewer people than the last carriage.

How many people are in each carriage?