

Lesson 1: Let's Think

Which of these multi-step problems is different?

- A.** £1,640 is shared equally between 4 classes to spend on what they like. Class 6B spends £260 in basketball equipment. How much money do they have left?
- B.** What is 260 less than $\frac{1}{4}$ of 1,640?
- C.** A jug contains 1,640ml of orange juice. Kieran spills 260ml. He then splits the rest so that four glasses each contain the same amount. How much is in each glass?
- D.** 260 more than a number is then multiplied by 4. The answer is 1,640. What was the number?



Lesson 1: Let's Apply

A chocolate company decides to cut the length of a chocolate bar by $\frac{1}{4}$.

It is now 12cm long.

How long was it?

Instead of answering this problem, find as many ways as possible to represent it visually. You could use maths equipment or draw a bar model.

What different operations would you need to use to solve the problem?



Lesson 2: Let's Think

This problem is not solvable at the moment:

Amir has 7 plastic squares.

He puts them together to make a shape.

What is the area of his shape?

If you could insert one more piece of information so that the problem becomes solvable, what would you insert?

- **Choose a piece of information so that the problem becomes a one-step problem.**
- **Choose a piece of information so that the problem becomes a two-step problem.**



Lesson 2: Let's Apply

**Michael reads 9 pages of his book every night.
At the start of the week he is on page 157.
By the end of the week he has 48 pages left.
How many pages does the book have?**

Before answering this problem:

Describe how you would work out the answer to each step of this problem in your head.

How could you model the problem using a bar model?



Lesson 3: Let's Think

Choose one of these number sentences.

With a partner, write a problem based on the number sentence you have chosen.

- A. $(476 + 328) \div 4$**
- B. $(476 - 328) \times 4$**
- C. $476 \times 4 - 328$**
- D. $476 \times 4 + 328$**
- E. $(476 - 328) \div 4$**
- F. $476 \div 4 + 328$**



Lesson 3: Let's Apply

There are 5 litres of plant feed in a watering can.

A gardener wants to feed 21 plants.

She measures the feed out so that each plant gets 160ml poured from the watering can.

How much is left in the watering can when she has finished?