5:16 Extension

(Working Mathematically)

Eliminating possibilities

1 I bought 12 computer screens. Some have a mass of 10 kg, others 8 kg each and the rest have a mass of 6 kg each. The total mass of the screens is one of the answers below.

Which one is the answer?

- ◯ 70 kg
- ◯ 97 kg
- ◯ 106·6 kg
- ◯ 108 kg
- ◯ 116 kg
- ◯ 122 kg

Reasoning | Trial and error

2 Which counting number, when squared gives an answer that is closest to 250?

A square number is the result of multiplying a counting number by itself.

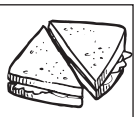
Drawing a diagram | Making a list | Acting it out

3 I must choose a type of bread, a type of spread and a type of filling for my sandwich. My bread can be white or brown. My spread can be butter or margarine. My filling can be tomato, chicken or turkey.

Draw a diagram that shows all possible choices that I could make.

How many choices are there?

Working



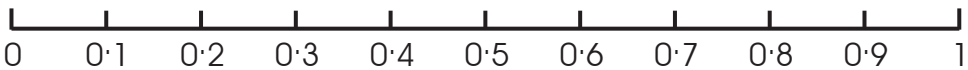
Verifying | Reflecting

4 Each label stands for the chance of choosing a prism from a collection of shapes.

a Match each label to a picture.

b Match each label to a place on the number line. The pictures will help.

33⅓% | impossible | 0% | even chance | 50% | unlikely | 66⅔% | certain | 100% | likely



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