

The recycled strip book

For this task, you are encouraged to use used paper, magazine pages or newspaper instead of coloured paper.

1. **Cut strips** of paper of lengths:
14 cm, 6 cm, 21 cm, $13\frac{1}{2}$ cm, $10\frac{1}{2}$ cm and another strip which is 9 cm long.
2. Label each strip with its length.
3. Put the 6 pieces in order in a line (without gaps) according to length, starting from the shortest to the longest paper strip.
4. Estimate the length of all the paper strips altogether.
5. Calculate the length of all the 6 paper strips altogether.

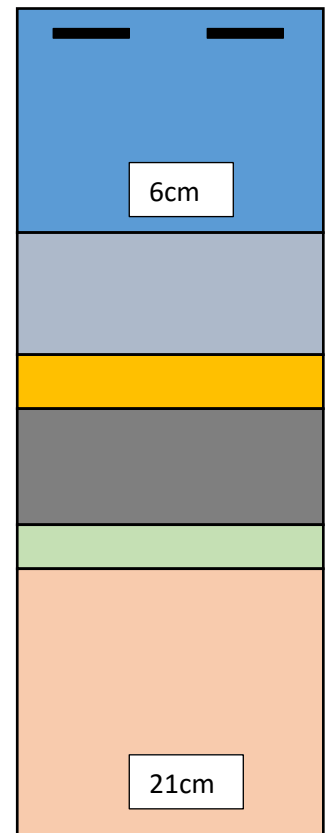
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6. Put the strips of paper in a pile, in order, with the shortest on top.

7. Line up one end of each of the strips and staple them together to make a strip book.
8. What is the difference in length between the 6 cm paper strip and the 21 cm strip of paper?
9. There are **two pairs of paper strips** which have a **difference of 3 cm in length** between them.
Which are they?

and

and



10. What is the **difference** between the shortest strip and the longest strip of paper?

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