

WEEK 32 – WEEKLY MATHS CHALLENGE



@sthildasmaths



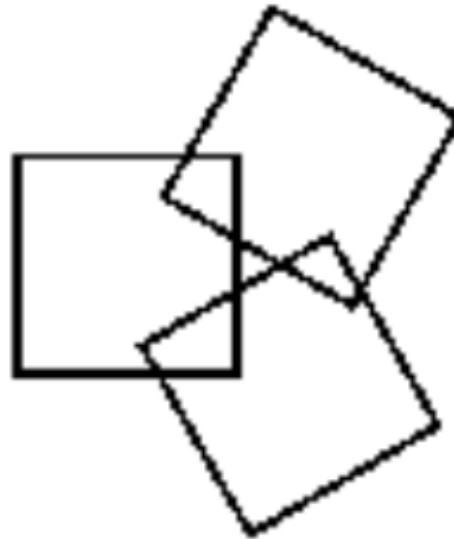
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The three squares in the diagram are **congruent**.

The areas of the overlapping parts are 2cm^2 , 5cm^2 and 8cm^2 .

The total area of the non-overlapping parts is 117cm^2 .

Find the side-length of each square.



KEYS TERM OF THE WEEK

Congruent: shapes which are congruent are exactly the same (one could be placed on top of another with no overlap).

Mr. Bush's Fun Maths Fact:

"A byte has 8 bits. There are 1024 bytes in a kilobyte, 1024 kilobytes in a megabyte and 1024 megabytes in a gigabyte. How many bytes in a gigabyte are there?"



Submit your answers on a piece of paper with your name and form on by the END OF FRIDAY to the box by **student services**. Winner revealed next Wednesday!