Mathematics

Delprov E

Årskurs

6

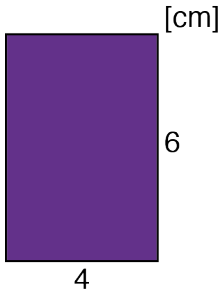
Elevens namn och klass/grupp

Prov som återanvänds av Skolverket omfattas av sekretess
enligt **17 kap. 4 § offentlighets- och sekretesslagen**.
Detta prov återanvänds av Skolverket t.o.m. **2021-06-30**.

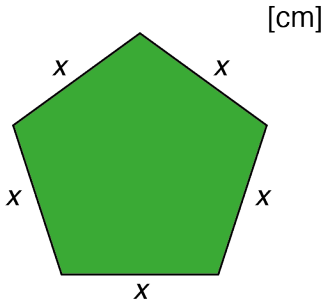
Skolverket

35. In these questions, all the figures have been scaled down. (4/5/5)
You must solve the tasks without measuring with a ruler.

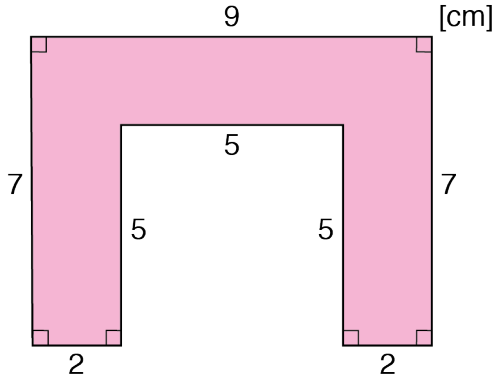
a) What is the area of the rectangle?
Show your working.



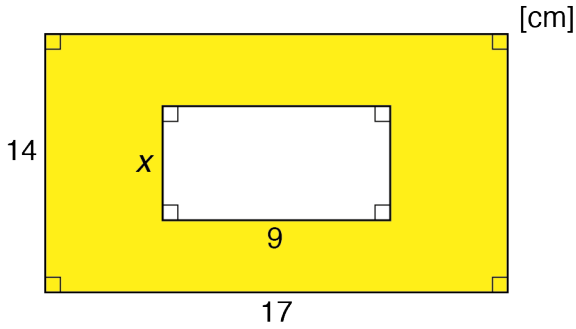
b) The perimeter of a pentagon with sides of equal length is 145 cm.
How long is one of its sides?
Show your working.



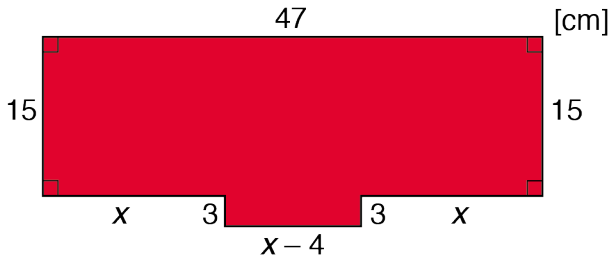
c) What is the area of the pink figure?
Show your working.



d) The yellow area is 184 cm^2.
How long is the side x?
Show your working.



e) What is the value of x?
Show your working.



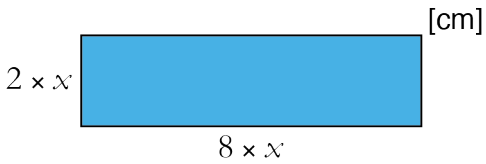


Figure A, rectangle

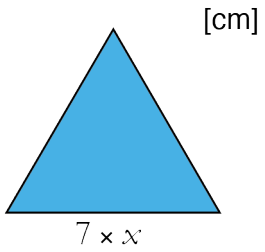


Figure B, equilateral triangle

f) The perimeter of figure A is 180 cm. How large is the perimeter of figure B if the value of x is the same in both figures?
Show your working.

g) Robin says that Figure B always has the largest perimeter since the value of x is the same in both figures. Is Robin right?
Explain your answer.

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PRIM gruppen