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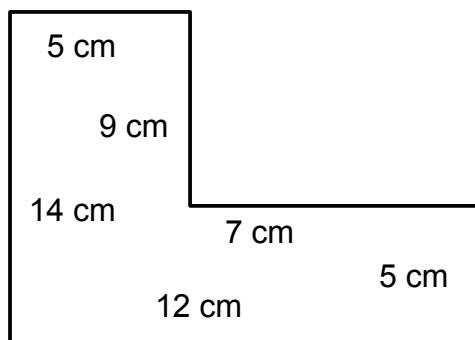
How Many Squares?



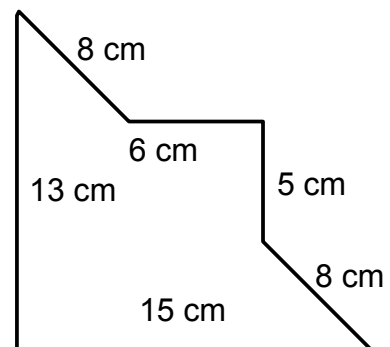
- Perimeter is the length of the boundary of a figure
- Area is the amount of surface a figure covers
- geometric figures have formulae to calculate perimeter and area

A. Find the perimeter of the following.

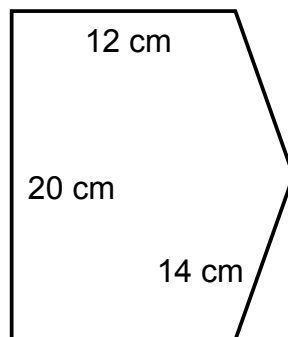
1.



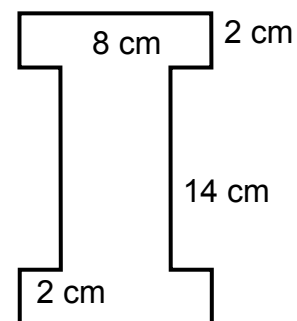
2.



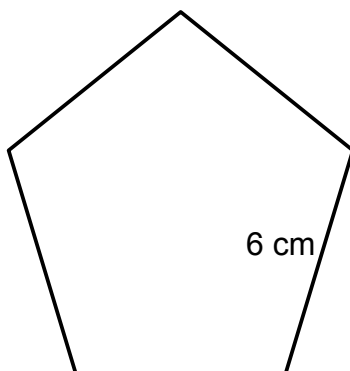
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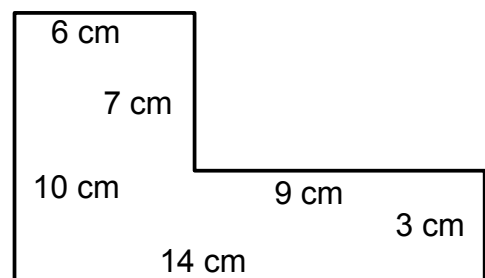
4.



5.



6.



B. Find Perimeter and area of different figures.

Look at the stamps shown in the figure and solve the questions. 1 Square = 1 cm²

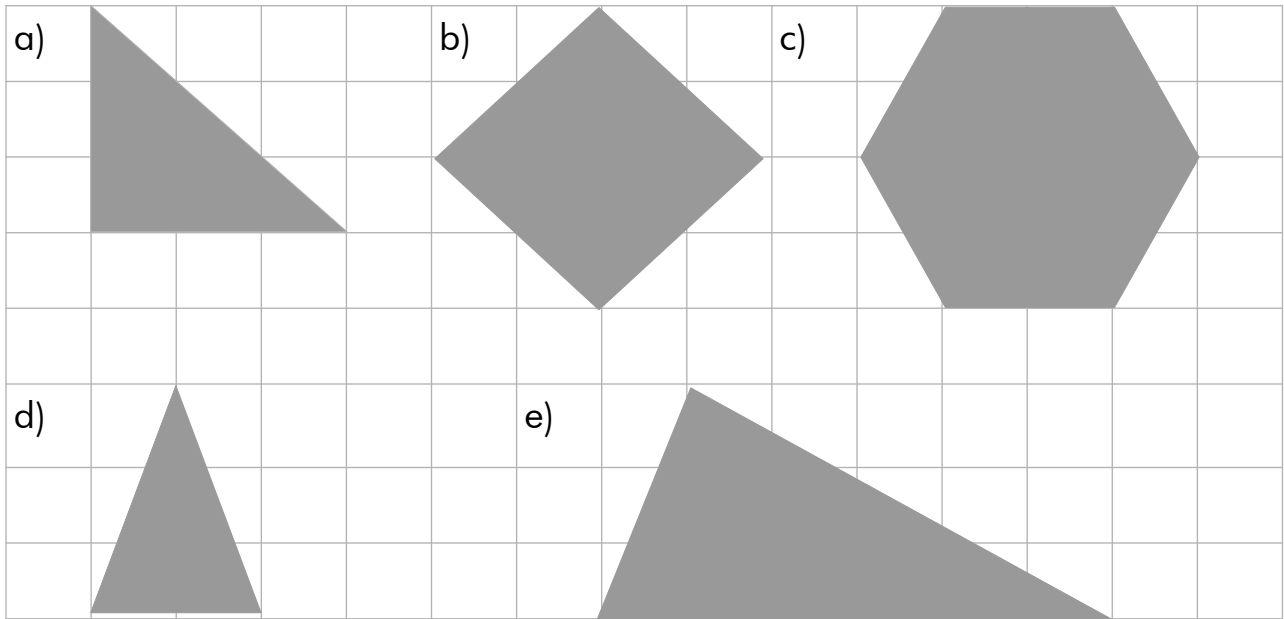


- How many squares of one cm does stamp A cover? _____
- How many squares of one cm does stamp B cover? _____
- Find the area of stamp C? _____
- Which stamp has the biggest area? _____
- How much is the area of the biggest stamp? _____ cm²
- The area of the smallest stamp is _____ cm².
- The difference between the area of the smallest and the biggest stamp is _____ cm².

C. Find the perimeter of the square or rectangle using formula

- Square with sides 4.5 cm
- Square with sides 8 cm
- Rectangle with sides 5 cm and 3 cm
- Rectangle with sides 8.5 cm and 10 cm
- Square with sides 2.8 m
- Square with sides 5.25 m

D. Find the area of shapes using unit squares.



a) _____

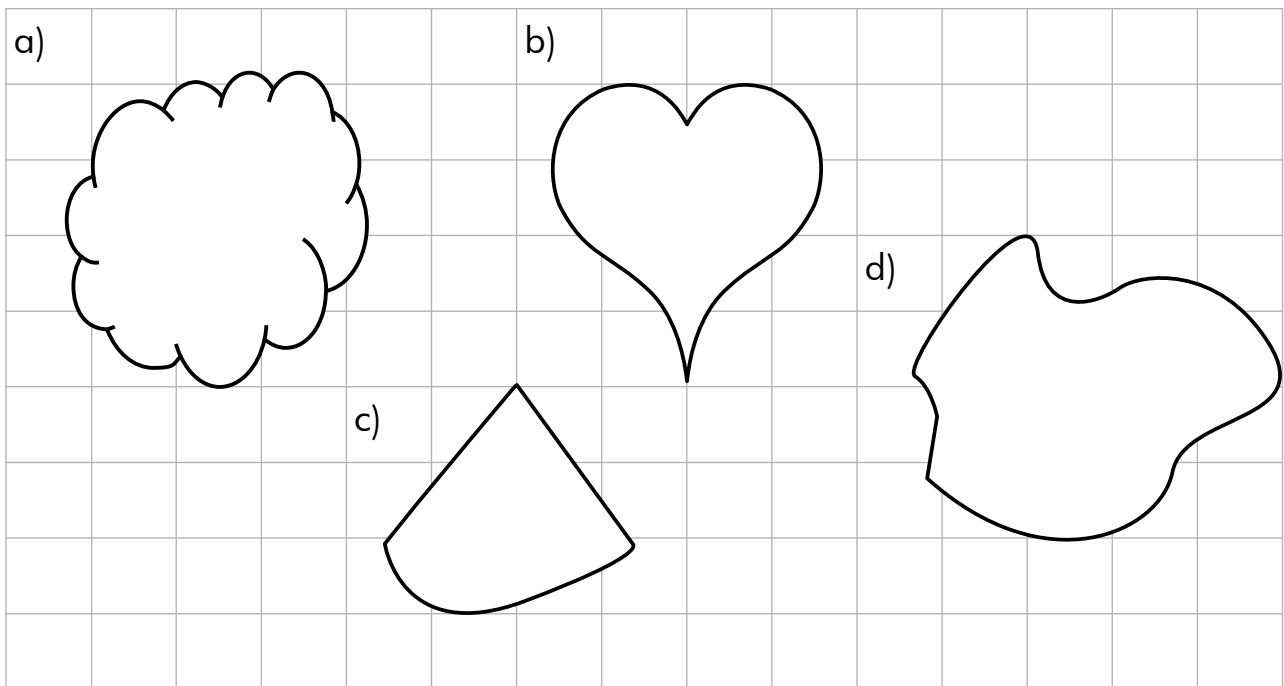
b) _____

c) _____

d) _____


e) _____

E. Find the area of irregular shapes using unit squares.



F. Make the floor pattern using the given tile

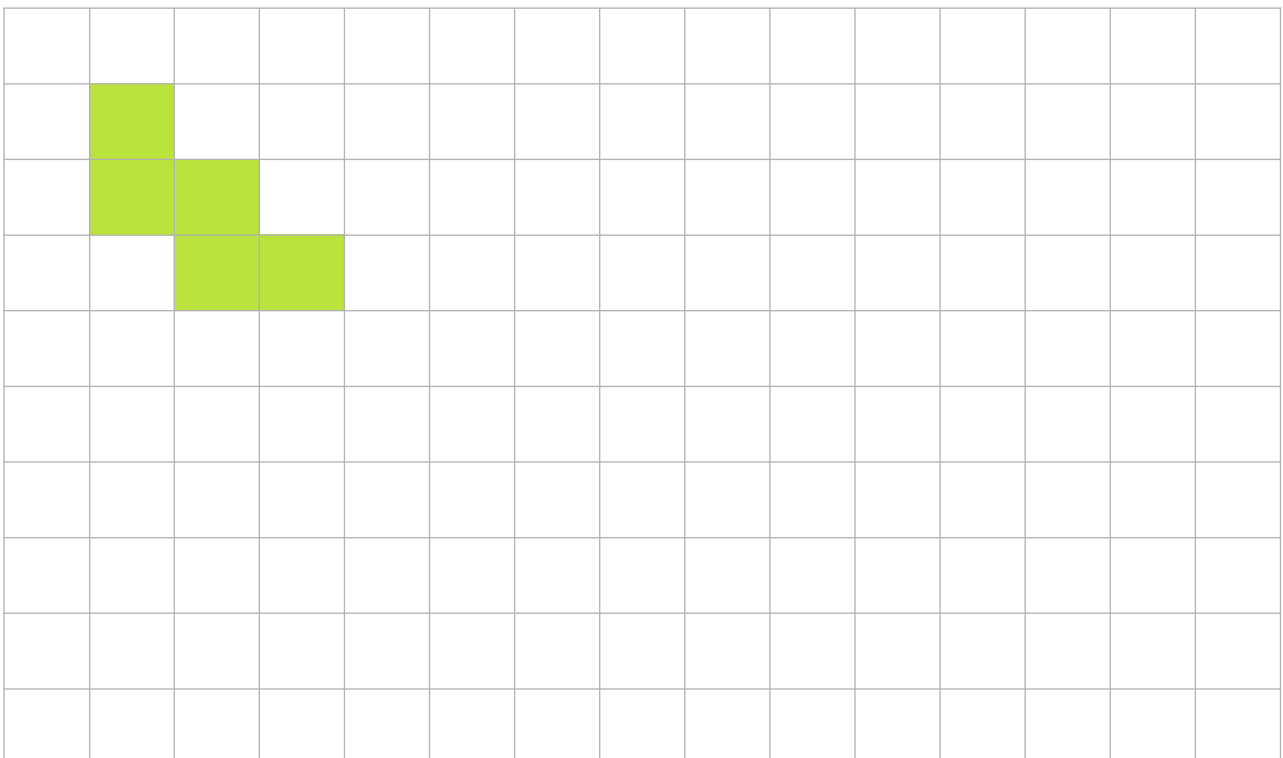
a)



b)



G. Draw different pattern using 5 unit squares.



Answers

A.

1. $14+5+9+7+5+12=52$ cm
2. $13+8+6+5+8+15=55$ cm
3. $20+12+14+14+12=72$ cm
4. $2+14+2+8+2+14+2+8=52$ cm
5. $6+6+6+6+6=30$ cm
6. $10+6+7+9+3+14=49$ cm

B.

A Perimeter= 20 cm, Area= 24 cm^2 B Perimeter= 16 cm, Area= 15 cm^2 C Perimeter= 14 cm, Area= 12 cm^2 D Perimeter= 10 cm, Area= 8 cm^2

- a) 24 Squares
- b) 15 Squares
- c) Area= 12 cm^2
- d) Stamp A
- e) 24 cm^2
- f) Area= 8 cm^2
- g) $24-8 = 16\text{ cm}^2$

C.

- a) Square has 4 sides equal = $4 \times 4.5 = 18$ cm
- b) Square has 4 sides equal = $4 \times 8 = 32$ cm
- c) Rectangle has opposite sides equal = $2(L+B) = 2(5+3) = 16$ cm
- d) Rectangle has opposite sides equal = $2(L+B) = 2(8.5+10) = 37$ cm
- e) Square has 4 sides equal = $4 \times 2.8 = 11.2$ cm
- f) Square has 4 sides equal = $4 \times 5.25 = 21$ cm

D.

- a) Area = 4.5 cm^2
- b) Area = 8 cm^2
- c) Area = 12 cm^2
- d) Area = 3 cm^2
- e) Area = 9 cm^2

E.

- a) Area = 10 cm^2
- b) Area = 8 cm^2
- c) Area = 5 cm^2
- d) Area = 10 cm^2