



Вавилондықтар және “Плимптон 322”

АТЫ-ЖӨНІ:

СЫНЫБЫ:

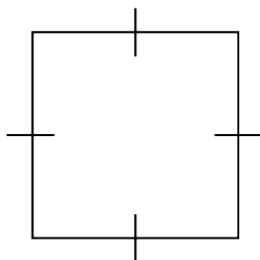
КҮНІ:



Негізгі деңгей

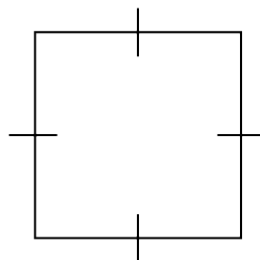
1) Келесі фигуралардың ауданын табыңыз:

a)



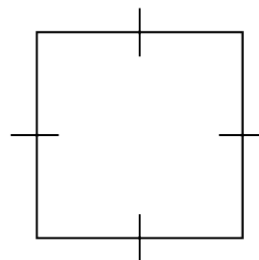
36см

b)



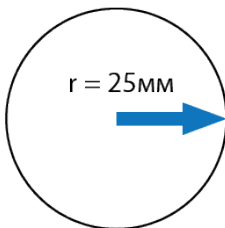
81см

c)



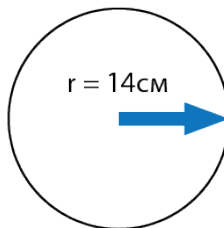
48см

d)



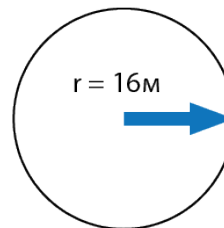
$r = 25\text{мм}$

e)



$r = 14\text{см}$

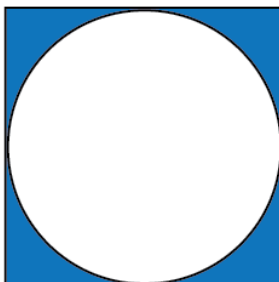
f)



$r = 16\text{м}$

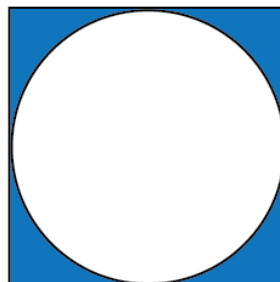
2) Келесі шеңберлердің ауданын табыңыз:

a)



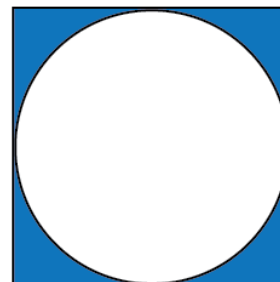
62см

b)



86см

c)



110см



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АТЫ-ЖӨНІ:

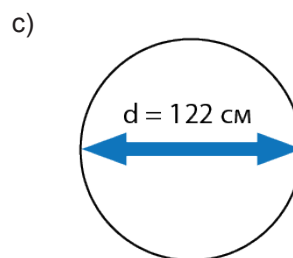
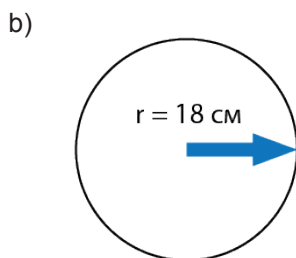
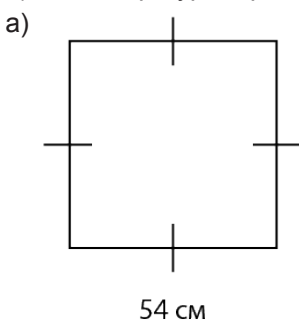
СЫНЫБЫ:

КҮНІ:

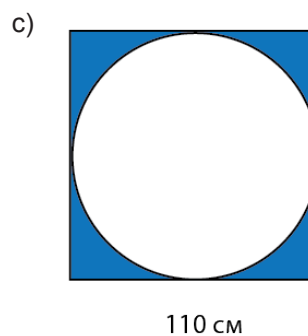
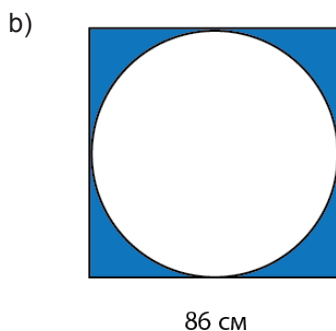
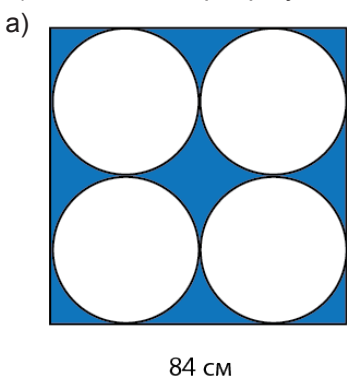


Орташа деңгей

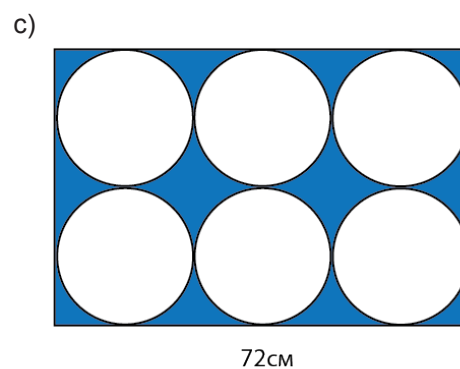
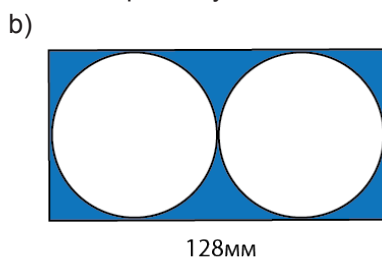
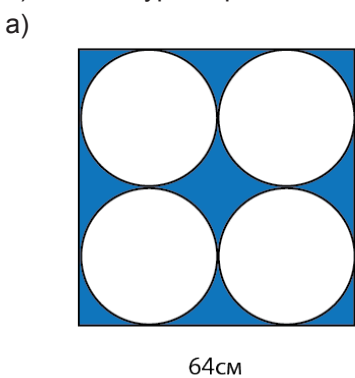
1) Келесі фигуралардың ауданын табыңыз:



2) Келесі шеңберлер ауданын табыңыз:



3) Келесі суреттердегі боялған аймақтардың ауданын есептеңіз:



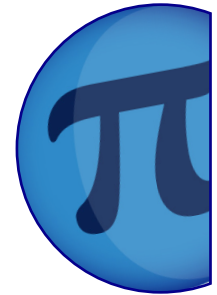


Вавилондықтар және “Плимптон 322”

АТЫ-ЖӨНІ:

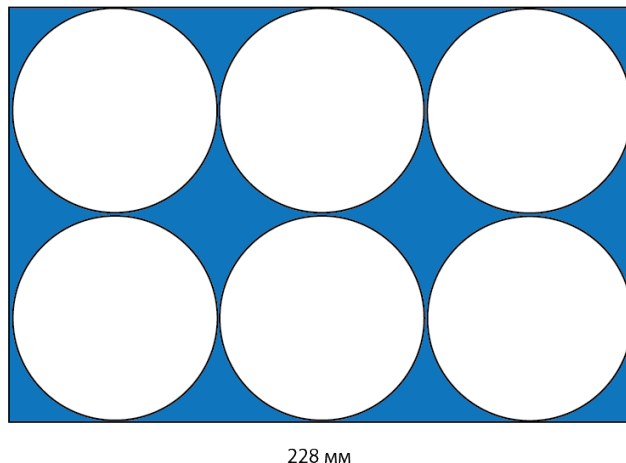
СЫНЫБЫ:

КҮНІ:



Тереңдетілген деңгей

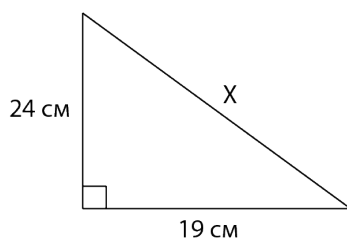
1) Келесі суреттегі боялған аймақтардың ауданын есептеңіз:



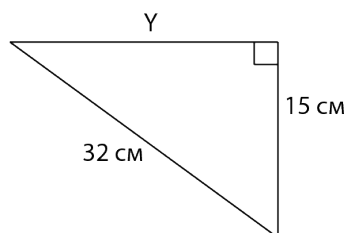
228 мм

2) Пифагор теоремасын қолдана отырып, төменде берілген әрбір үшбұрыштың белгісіз қабырғаларын табыңыз.

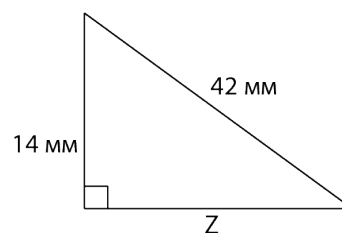
a)



b)



c)



3) Жақшаларды ашыңыз:

a) $(x + 4)(x + 9)$

b) $(3x + 9)(4x + 12)$

c) $(9x + 6)(2x - 8)$



Вавилондықтар және “Плимптон 322”

ЖАУАПТАР

Негізгі деңгей

- 1) a) $S = 1296 \text{ см}^2$ b) $S = 6561 \text{ см}^2$ c) $S = 2304 \text{ см}^2$
d) $S = 1963,50 \text{ мм}^2$ e) $S = 615,75 \text{ см}^2$ f) $S = 804,25 \text{ м}^2$
- 2) a) $S = 3019,10 \text{ см}^2$ b) $S = 5808,80 \text{ см}^2$ c) $S = 9503,32 \text{ см}^2$

Орташа деңгей

- 1) a) $S = 2916 \text{ см}^2$ b) $S = 1017,88 \text{ см}^2$ c) $S = 11689,87 \text{ см}^2$
- 2) a) $S = 1385,44 \text{ см}^2$ b) $S = 5808,80 \text{ см}^2$ c) $S = 9503,32 \text{ см}^2$
- 3) a) $S = 3291,75 \text{ см}^2$ b) $S = 1758,02 \text{ мм}^2$ c) $S = 741,66 \text{ см}^2$

Тереңдетілген деңгей

- 1) $S = 7437,24 \text{ мм}^2$
- 2) a) $x = 30,6 \text{ см}$ b) $y = 28,27 \text{ см}$ c) $z = 39,6 \text{ мм}$
- 3) a) $x^2 + 13x + 36$ b) $12x^2 + 72x + 108$ c) $18x^2 - 60x - 48$