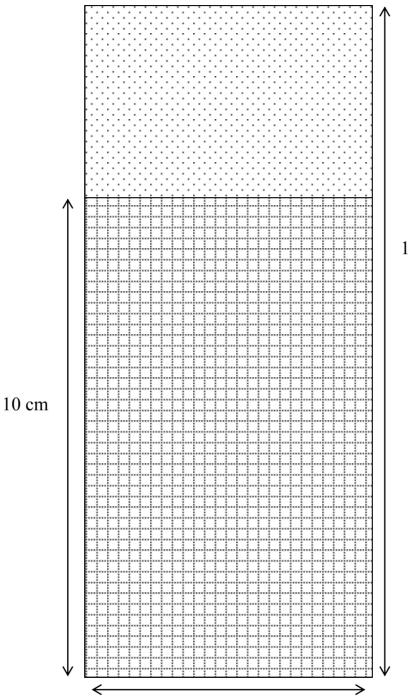
Name of shape and dimensions	Picture of shape	Area	Change in dimension	New area	% of change in areas
Rectangle	Draw		1 + 4 cm		
1 = 10 cm	these on				
w = 6 cm	graph		Make this		
	paper		change to the		
			picture on the		
			graph paper		
Parallelogram	Draw		h decreased by 5		
b = 13 cm h = 20 cm	these on graph		cm.		
	paper		Make this		
			change to the		
			picture on the		
			graph paper		
Square	Draw		s is doubled		
s = 8 cm	these on				
	graph		Make this		
	paper		change to the		
			picture on the		
			graph paper		
Trapezoid	Draw		b1 and b2 both		
b1 = 5 cm	these on		increase by 2		
b2 = 10 cm	graph				
h = 12 cm	paper		Make this		
			change to the		
			picture on the		
Trionala	Draw		graph paper		
Triangle $b = 9 \text{ cm}$	Draw these on		b increases by 2 and h doubles		
b = 9 cm h = 12 cm	graph		and it doubles		
11 12 011	paper		Make this		
	Puper		change to the		
			picture on the		
			graph paper		
Circle	Draw		r+3		
d = 12 cm	these on				
	graph		Make this		
(Leave your	paper		change to the		
answers in			picture on the		
terms of pi.)			graph paper		

Answer key

Name of shape and dimensions	Picture of shape	Area	Change in dimension	New area	% of change in areas
Rectangle	Draw	60 cm ²	1 + 4 cm	84 cm ²	40% increase
1 = 10 cm	these on				
w = 6 cm	graph		Make this		
	paper		change to the		
			picture on the		
			graph paper		
Parallelogram	Draw	260 cm ²	h decreased by 5	195 cm ²	25% decrease
b = 13 cm	these on		cm.		
h = 20 cm	graph				
	paper		Make this		
			change to the		
			picture on the		
			graph paper		
Square	Draw	64 cm ²	s is doubled	256 cm ²	213% increase
s = 8 cm	these on				
	graph		Make this		
	paper		change to the		
			picture on the		
			graph paper		
Trapezoid	Draw	90 cm ²	b1 and b2 both	114 cm ²	27% increase
b1 = 5 cm	these on		increase by 2		
b2 = 10 cm	graph				
h = 12 cm	paper		Make this		
			change to the		
			picture on the		
			graph paper		
Triangle	Draw	54 cm ²	b increases by 2	122 cm ²	126% increase
b = 9 cm	these on		and h doubles		
h = 12 cm	graph				
	paper		Make this		
			change to the		
			picture on the		
0.1		26 2	graph paper	0.1 2	10.50/
Circle	Draw	36п cm ²	r+3	81п cm ²	125% increase
d = 12 cm	these on		Make this		
	graph		change to the		
	paper		picture on the		
			graph paper		

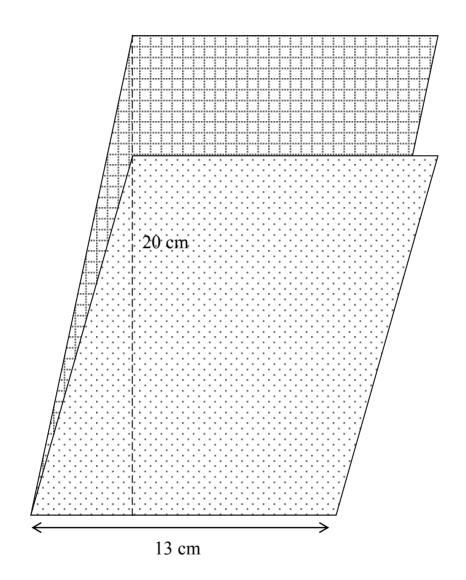
Rectangle answer key



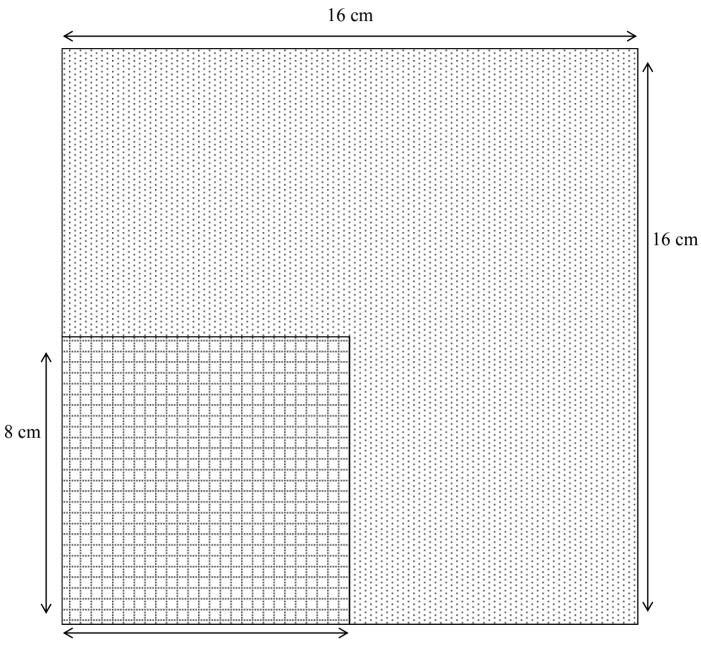
14 cm

6 cm

Parallelogram answer key

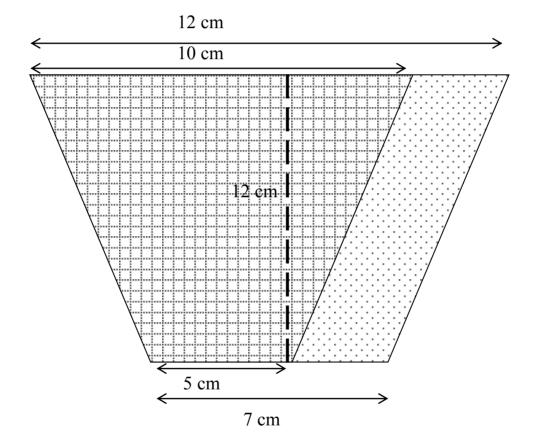


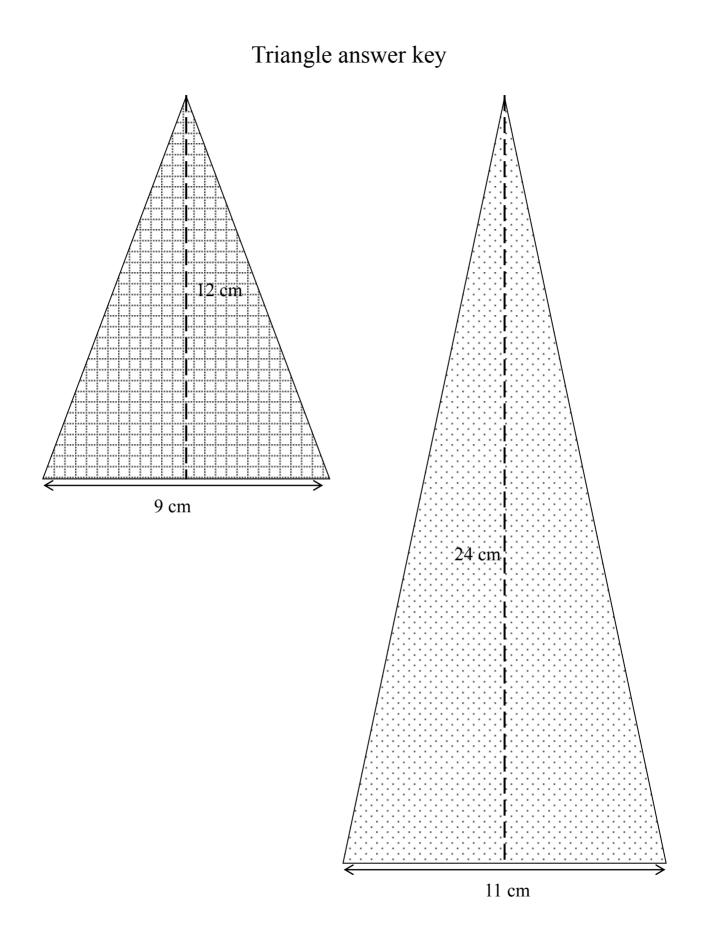
Square answer key



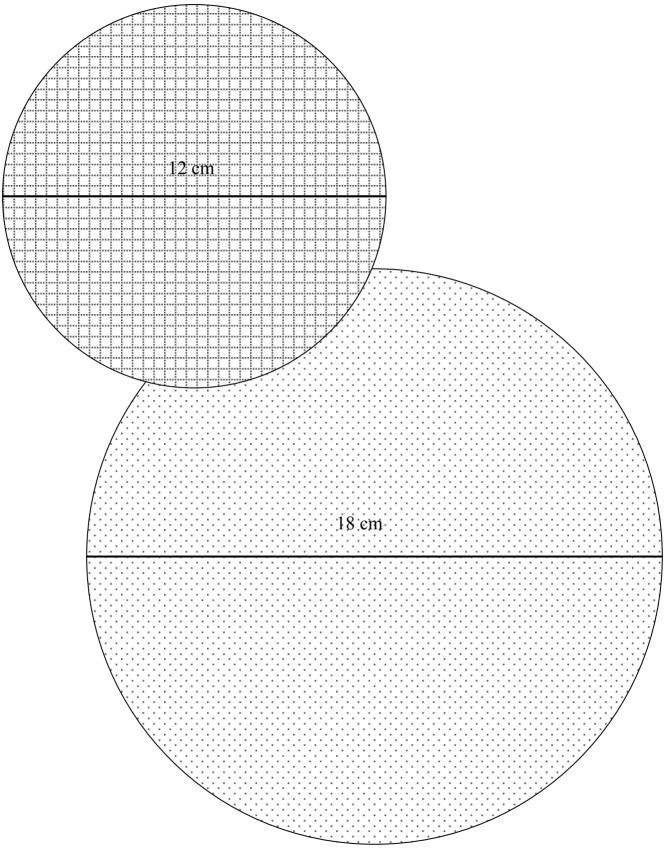


Trapezoid answer key





Circle answer key



not to scale