

סדרת
אולימפוס

מתמטיקה לכיתה י'

משובצת

מתמטיקה

3 יחידות לימוד

כיתה י' • חלק ב

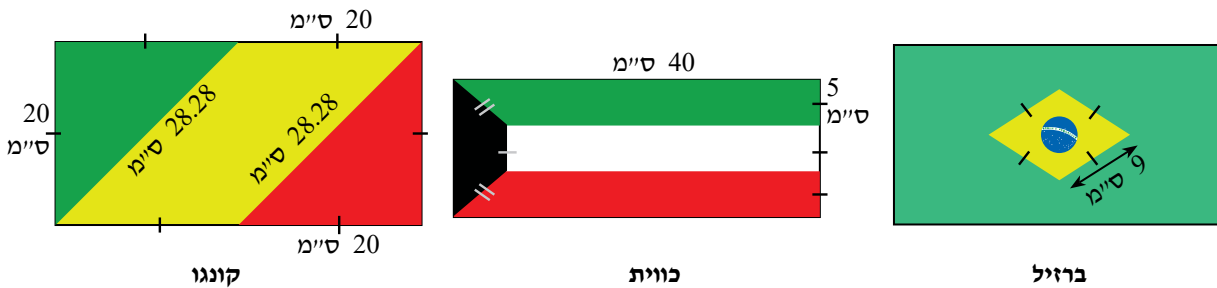
דפי עזר לתלמיד
להדפסה עם מקום לכתיבה

כל הטבלאות והסרטוטים מהספר

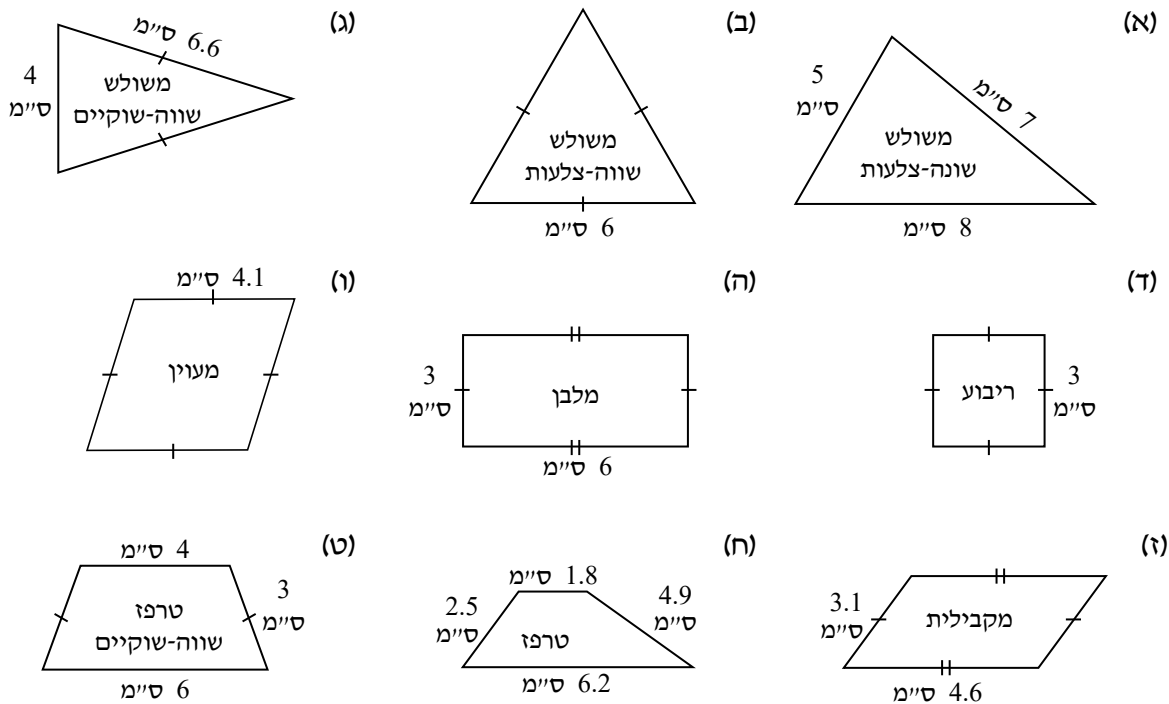
אשכול התמצאות במישור ובמרחב

יחידה 1 : היקפים של צורות גאומטריות

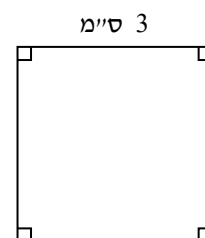
עמ' 6, משימה



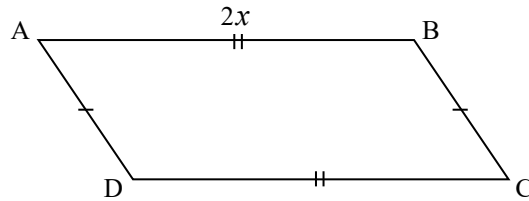
עמ' 10, שאלה (1)



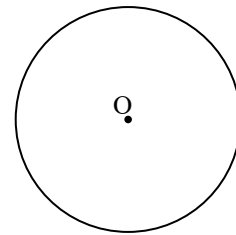
עמ' 10, שאלה (2)



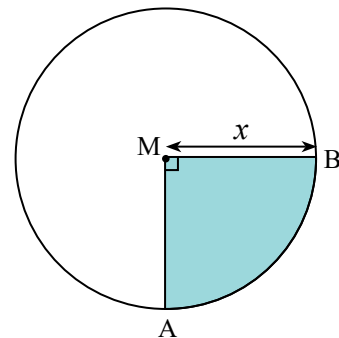
עמ' 10 , שאלה (3)



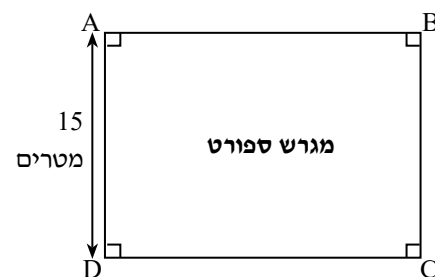
עמ' 11 , שאלה (4)



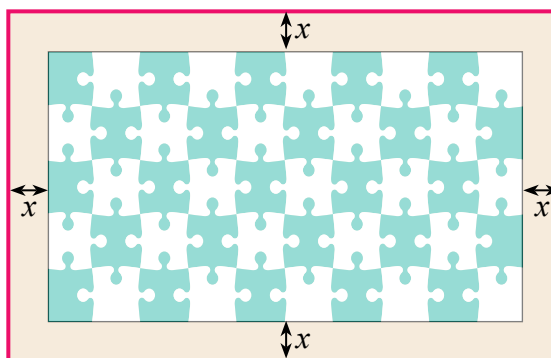
עמ' 11 , שאלה (5)



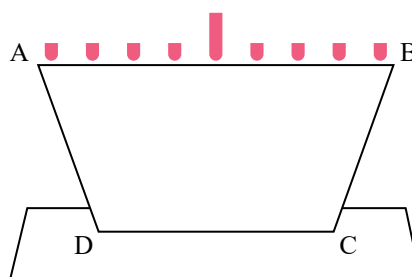
עמ' 11 , שאלה (6)



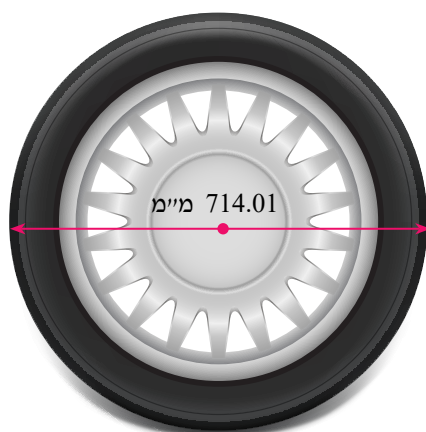
עמ' 12 , שאלה (10)



עמ' 13 , שאלה (13)



עמ' 14 , שאלה (14)

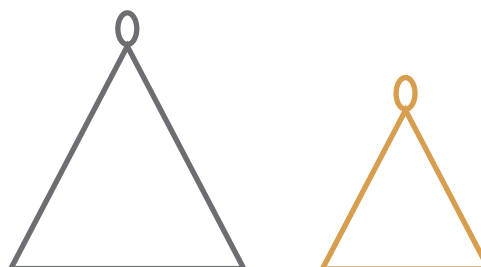


גלגל משאית

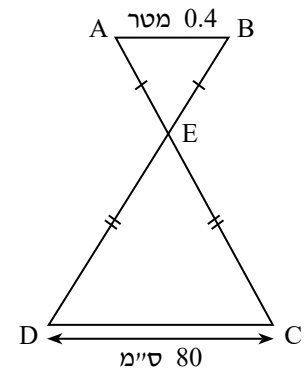


גלגל מכונית פרטית

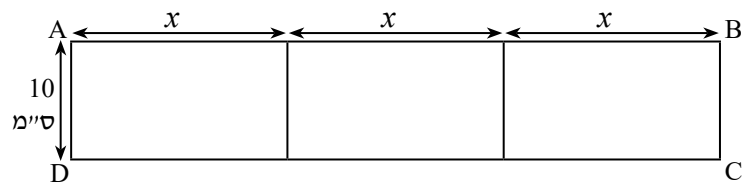
עמ' 14 , שאלה (15)



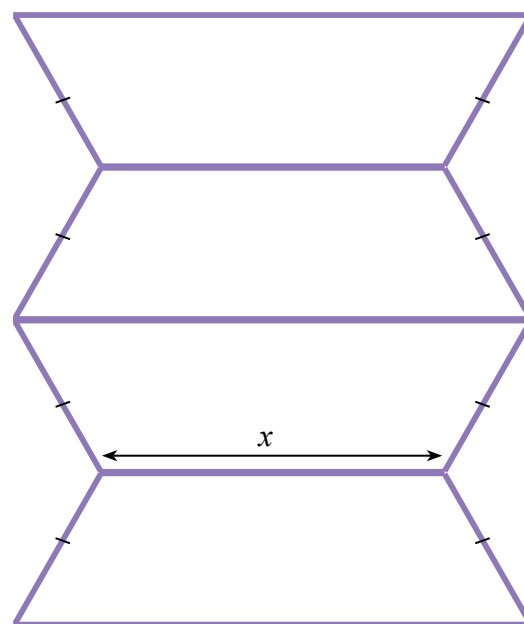
עמ' 15 , שאלה (16)



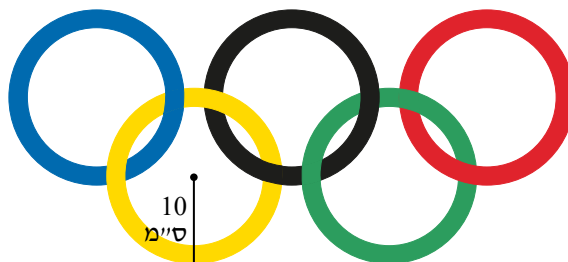
עמ' 15 , שאלה (17)



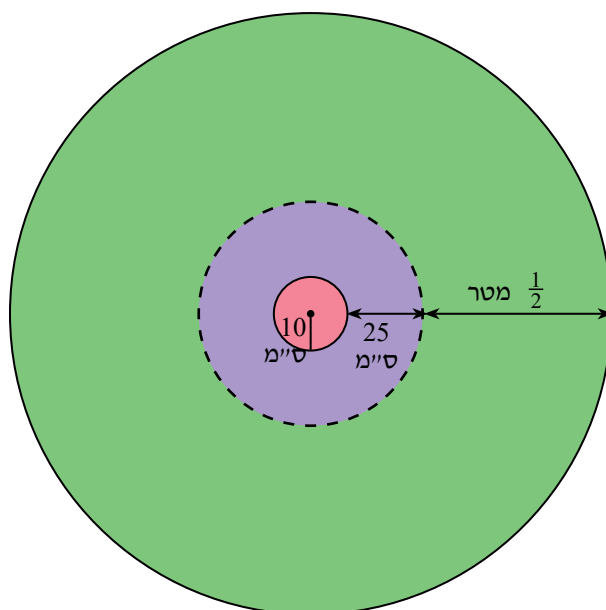
עמ' 16 , שאלה (18)



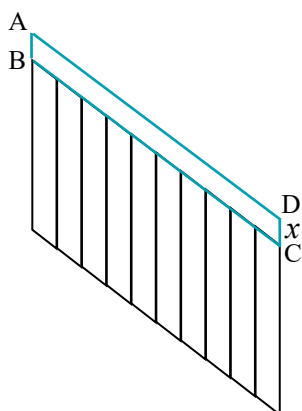
עמ' 16 , שאלה (19)



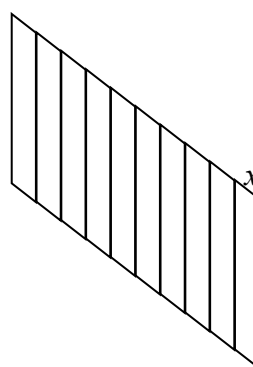
עמ' 16 , שאלה (20)



עמ' 17 , שאלה (21)

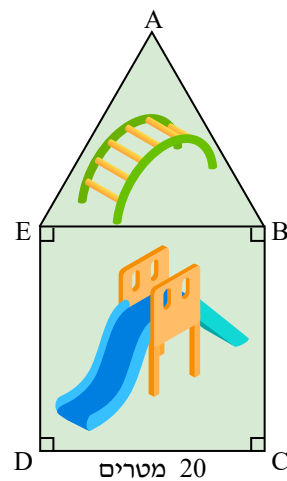


(ג)

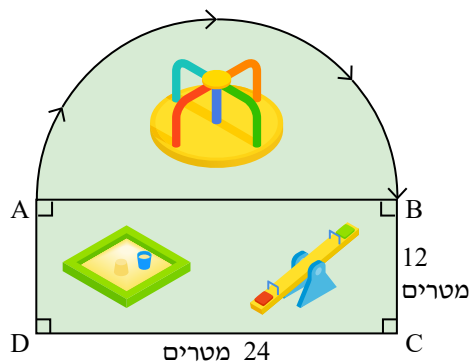


עמ' 20 , משימה

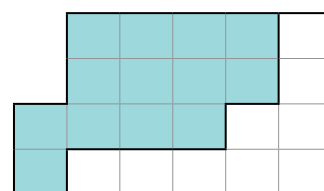
(א)



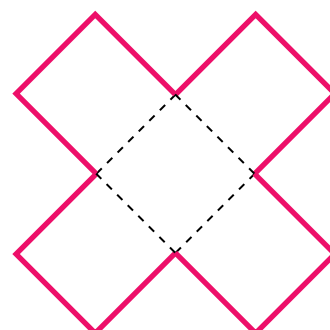
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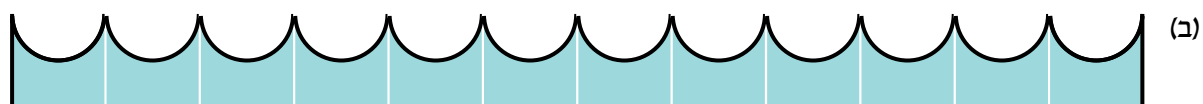
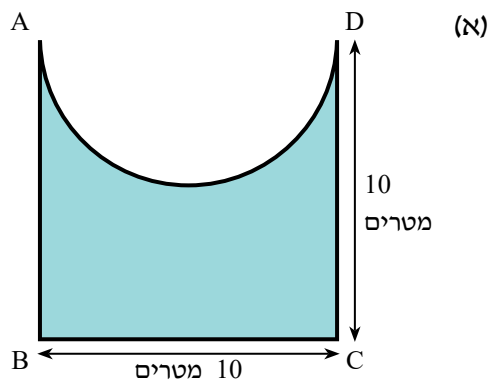
עמ' 21 , שאלה (1)



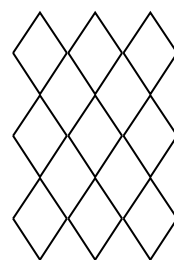
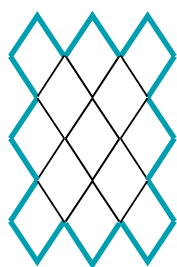
עמ' 21 , שאלה (2)



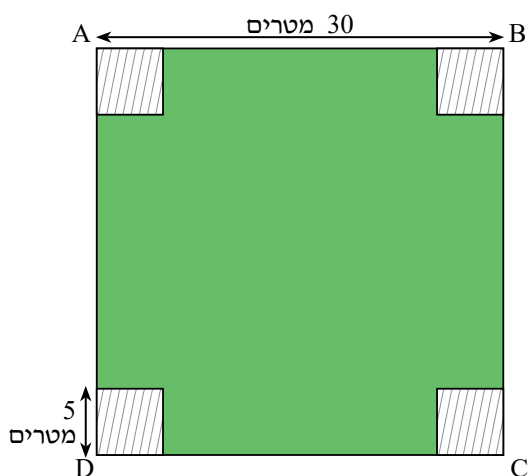
עמ' 21, שאלה (3)



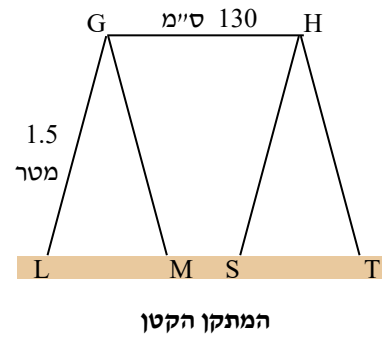
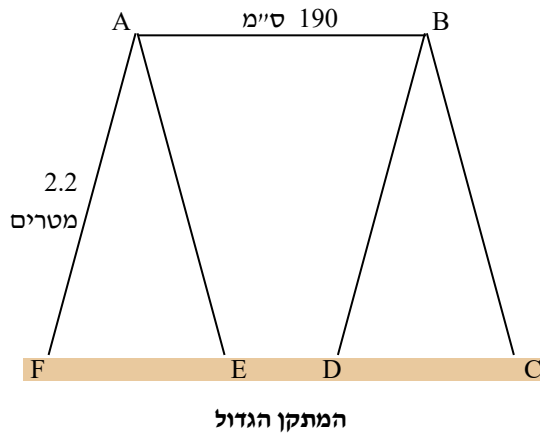
עמ' 22, שאלה (4)



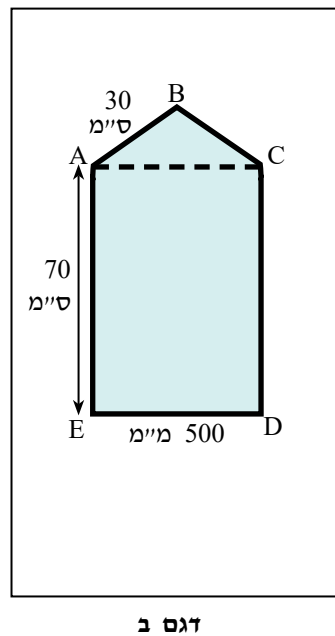
עמ' 22, שאלה (5)



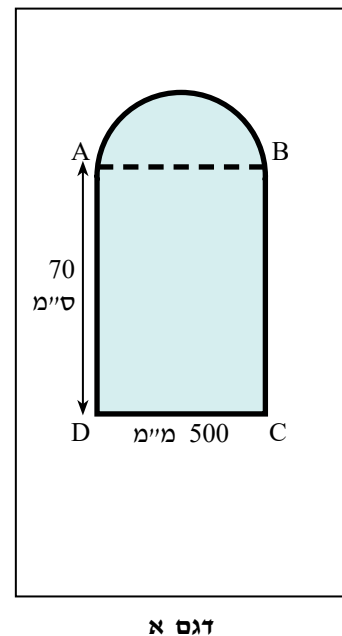
עמ' 23, שאלה (6)



עמ' 24, שאלה (7)



(ב)

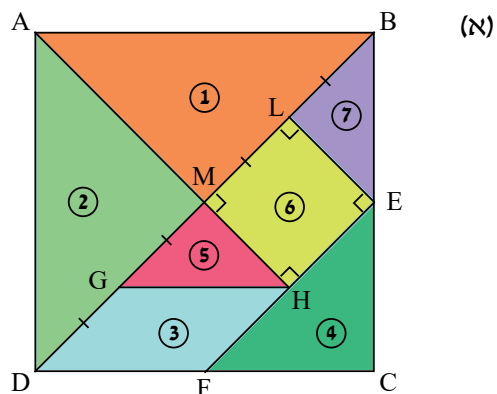
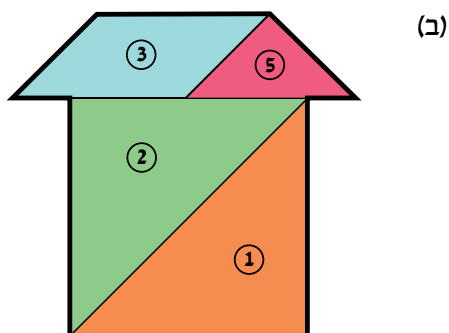


(א)

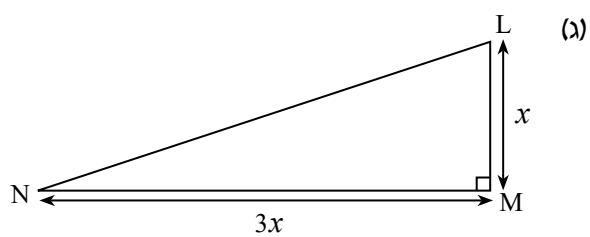
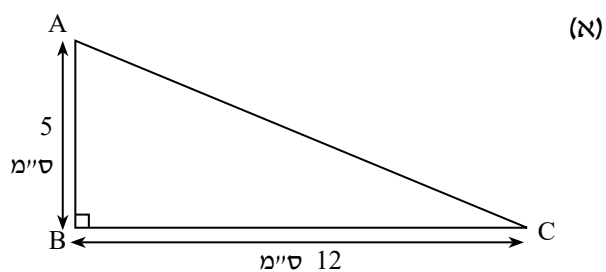
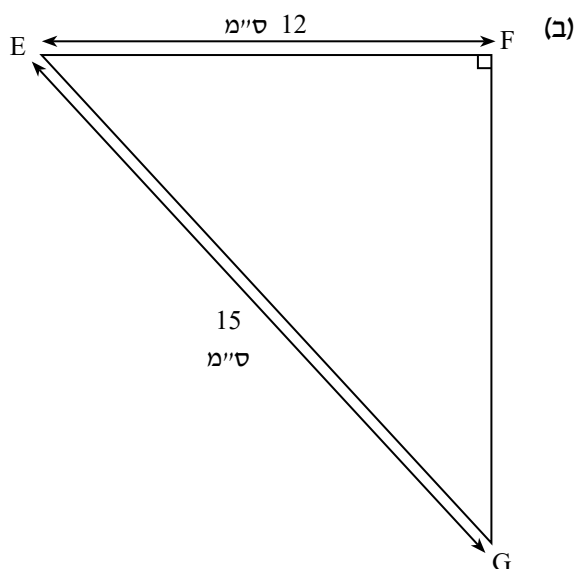
עמ' 25, שאלה (8)



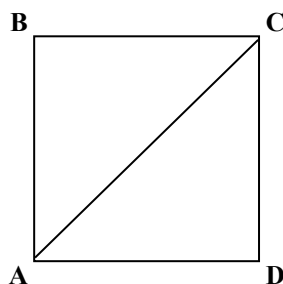
עמ' 25 , שאלה (9)



עמ' 28 , שאלה (1)

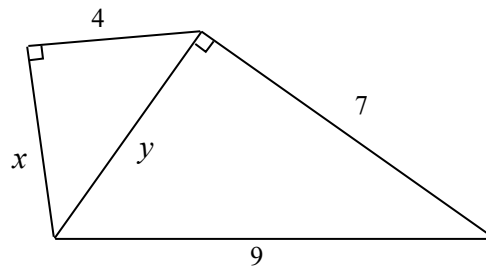


עמ' 28 , שאלה (2)

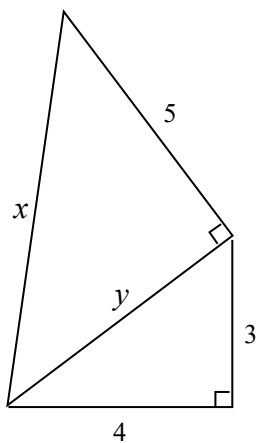


עמ' 29, שאלה (3)

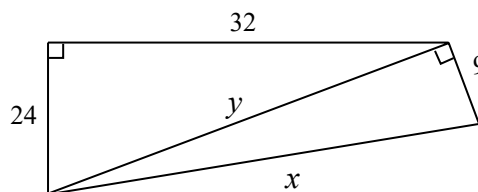
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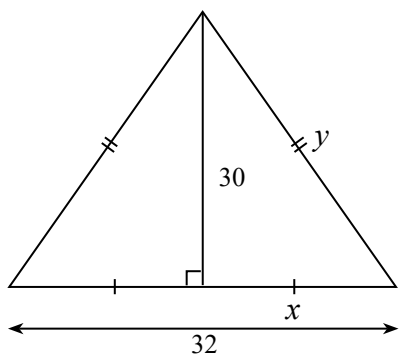
(ב)



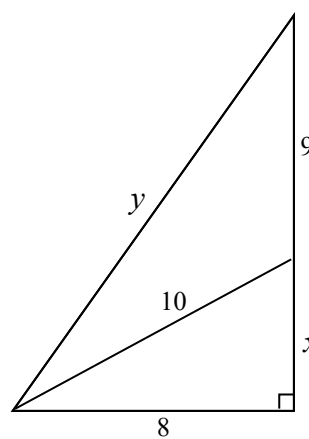
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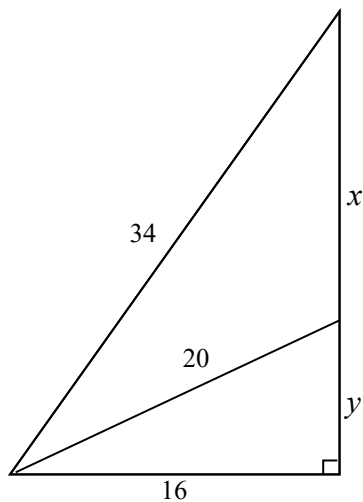
(ד)



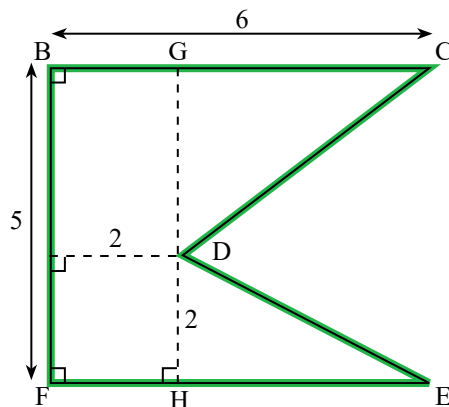
(ה)



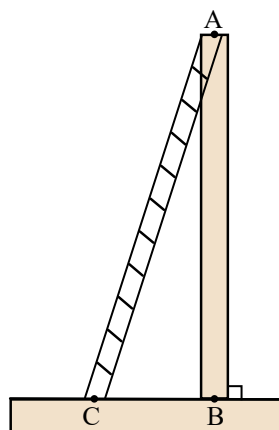
(ו)



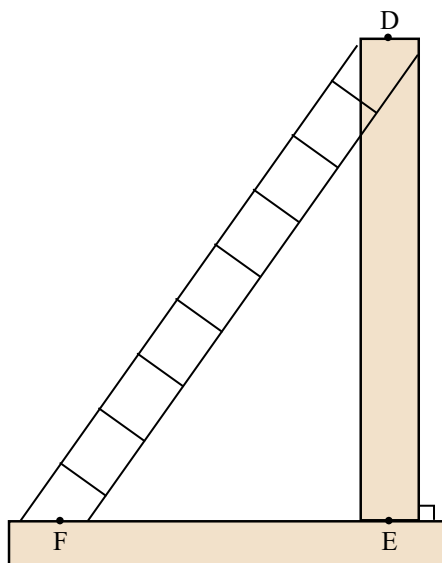
עמ' 30 , שאלה (4)



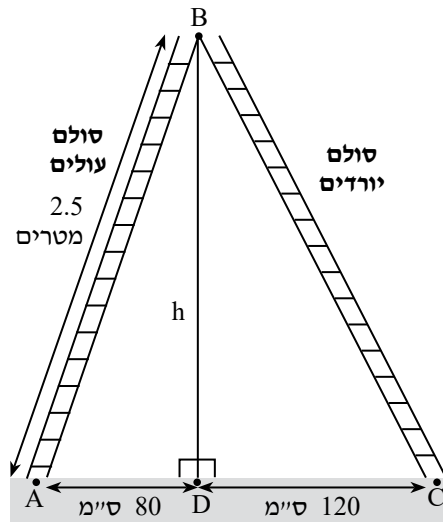
עמ' 30 , שאלה (5)



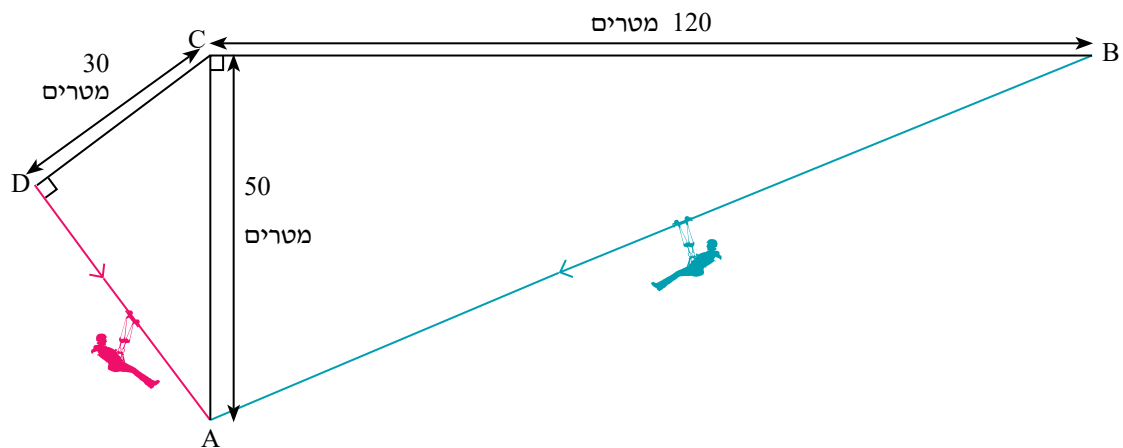
עמ' 30 , שאלה (6)



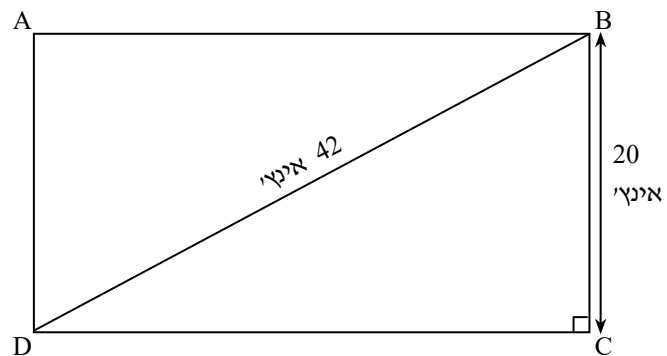
עמ' 31 , שאלה (7)



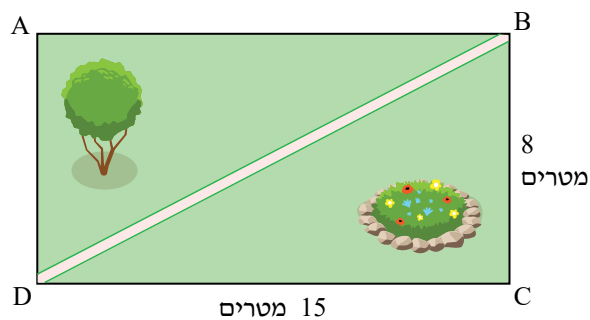
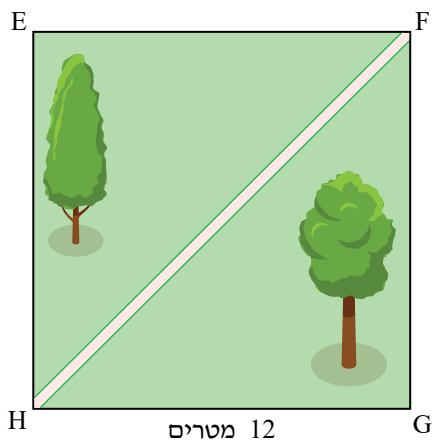
עמ' 31 , שאלה (8)



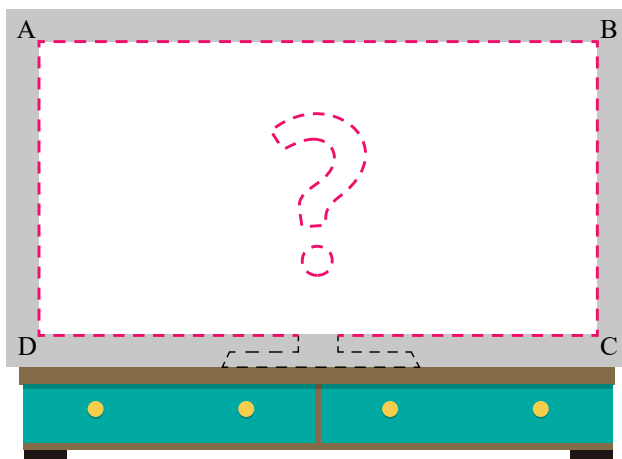
עמ' 32 , שאלה (9)



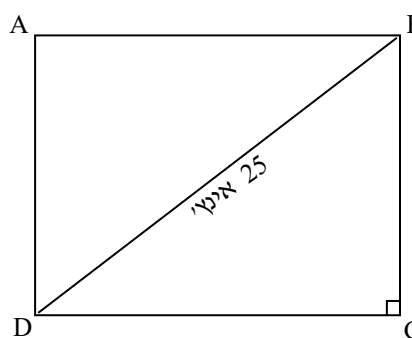
עמ' 32 , שאלה (10)



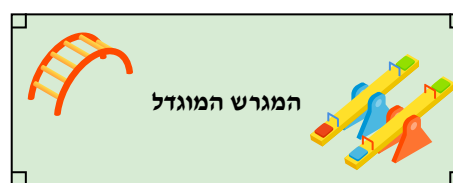
עמ' 33 , שאלה (11)



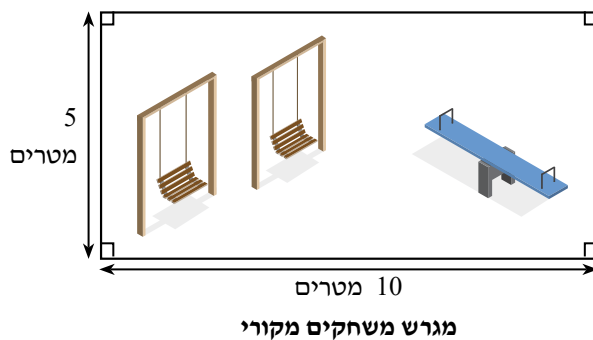
עמ' 33 , שאלה (12)



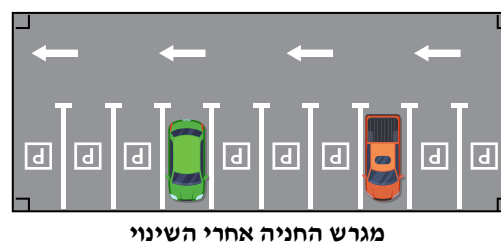
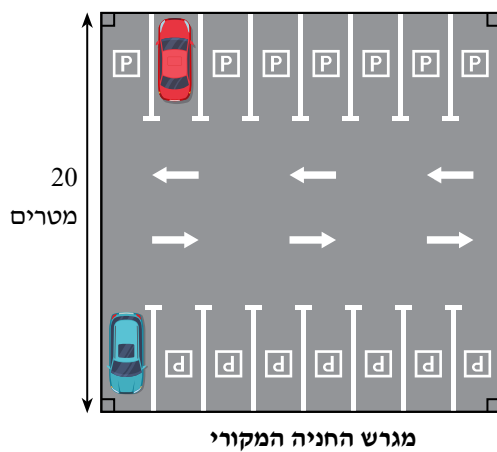
עמ' 35 , משימה



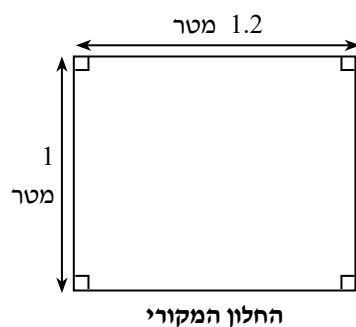
עמ' 36 , שאלה (1)



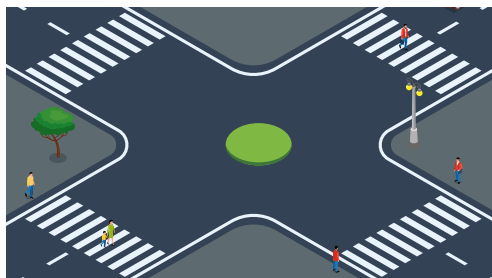
עמ' 36 , שאלה (2)



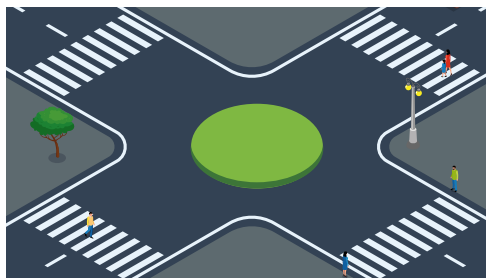
עמ' 37 , שאלה (3)



עמ' 37 , שאלה (4)

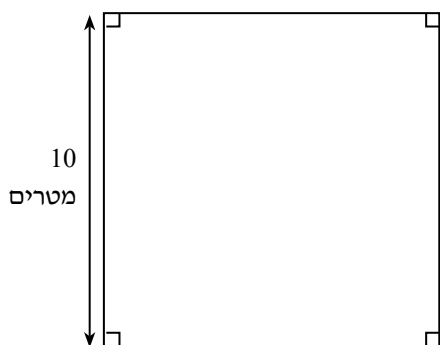


הכיכר לפני השינוי



הכיכר אחרי השינוי

עמ' 38 , שאלה (5)

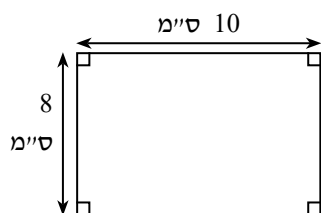


האולם לפני השיפוצים

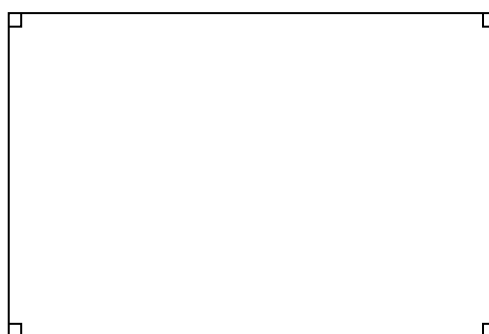


האולם אחרי השיפוצים

עמ' 38 , שאלה (6)

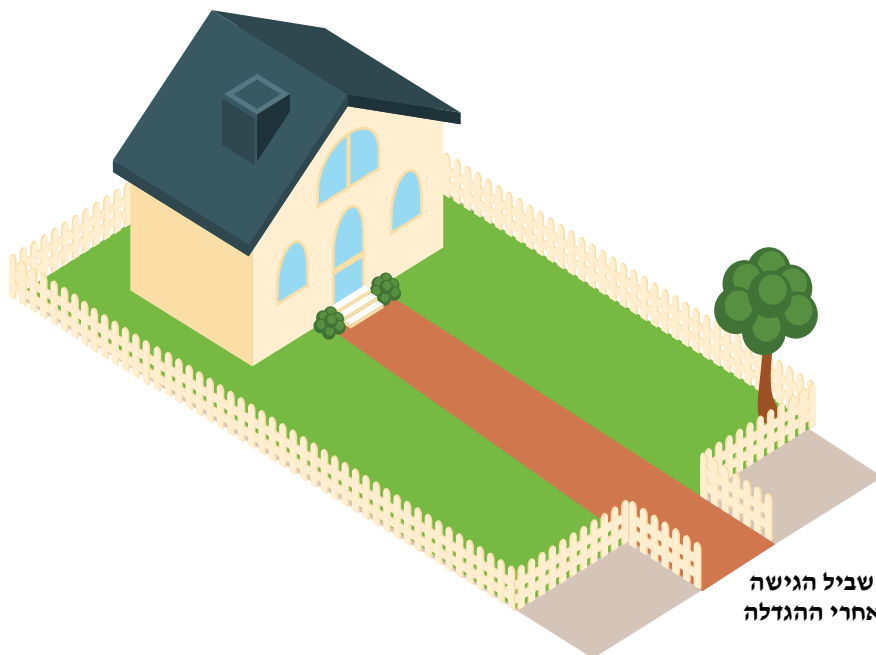
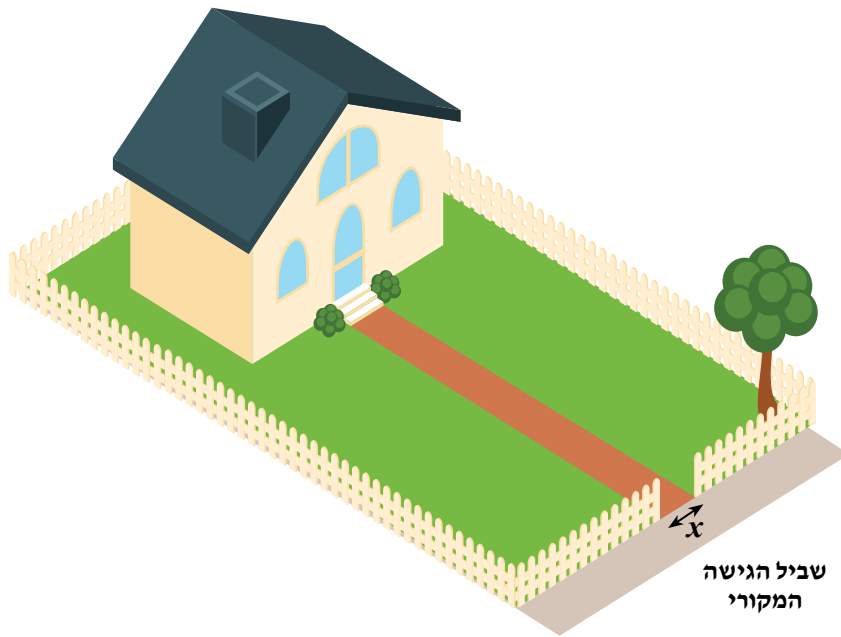


המלבן המקורי

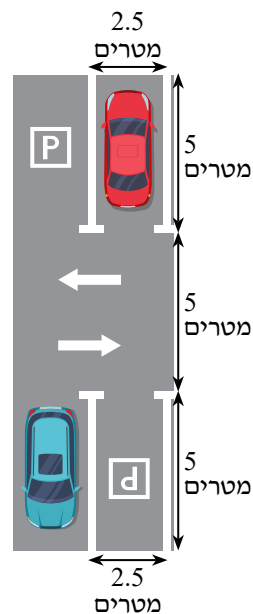


המלבן אחרי ההגדלה

עמ' 39 , שאלה (7)

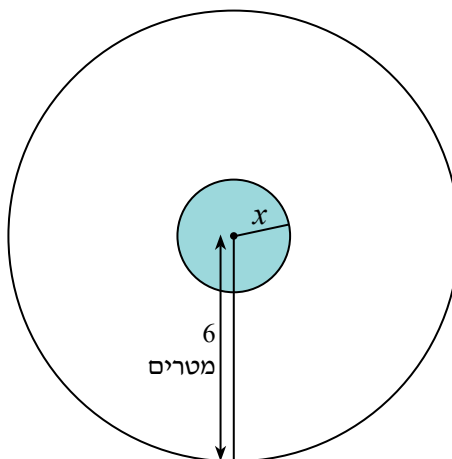


עמ' 40 , שאלה (8)



דוגמה לחלק ממגרש החניה
מתאים לסעיפים (ד) ו- (ה)

עמ' 41 , שאלה (10)



עמ' 41 , שאלה (11)



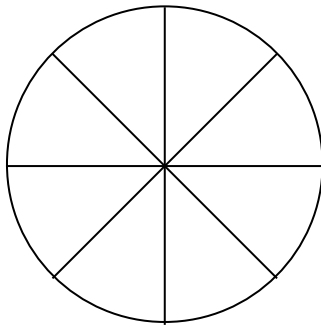
גן השעשועים המקורי



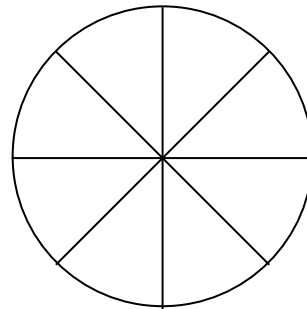
גן השעשועים המוגדל

עמ' 42 , שאלה (12)

משפחתית

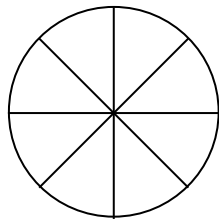


לפני התייקרות חומרי הגלם

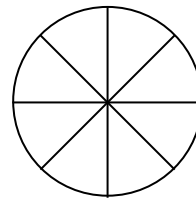


אחרי התייקרות חומרי הגלם

אישית

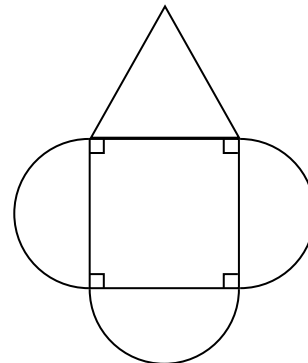


לפני התייקרות חומרי הגלם

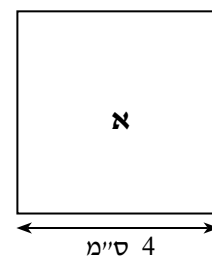
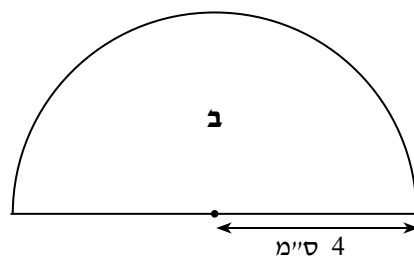


אחרי התייקרות חומרי הגלם

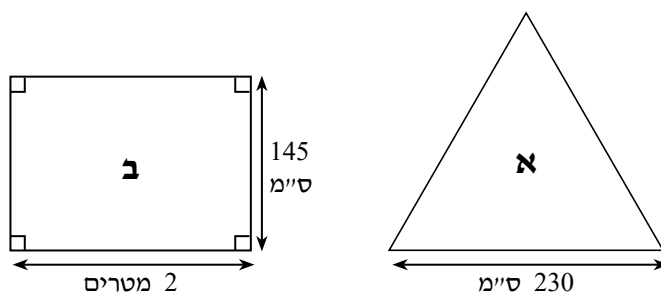
עמ' 44 , משימה



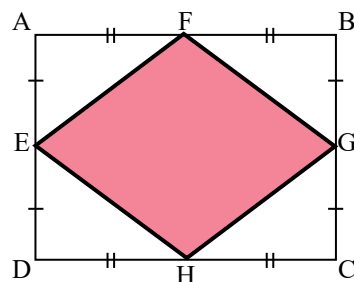
עמ' 45 , שאלה (1)



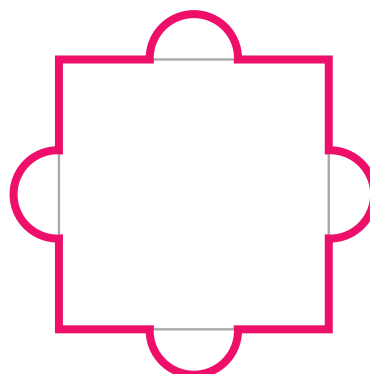
עמ' 46 , שאלה (2)



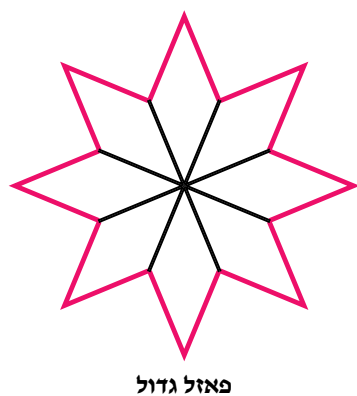
עמ' 46 , שאלה (3)



עמ' 46 , שאלה (4)



עמ' 47 , שאלה (6)

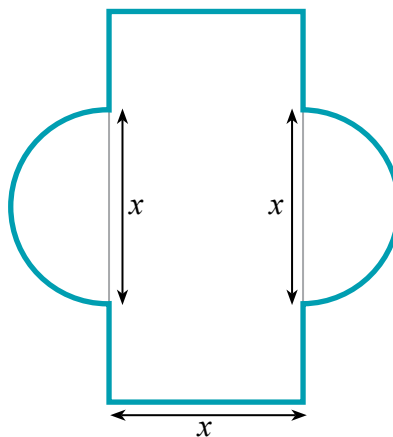


(ג)

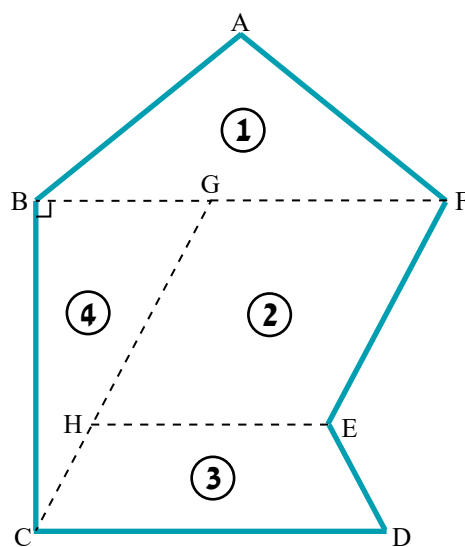


(א)

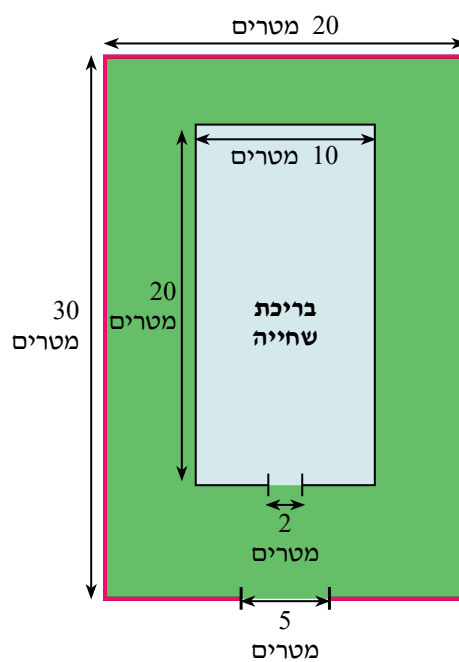
עמ' 47, שאלה (6)



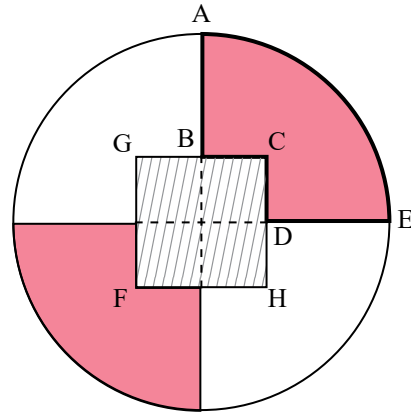
עמ' 48, שאלה (7)



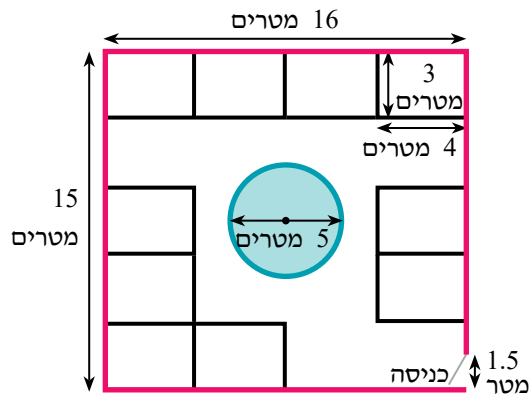
עמ' 49, שאלה (8)



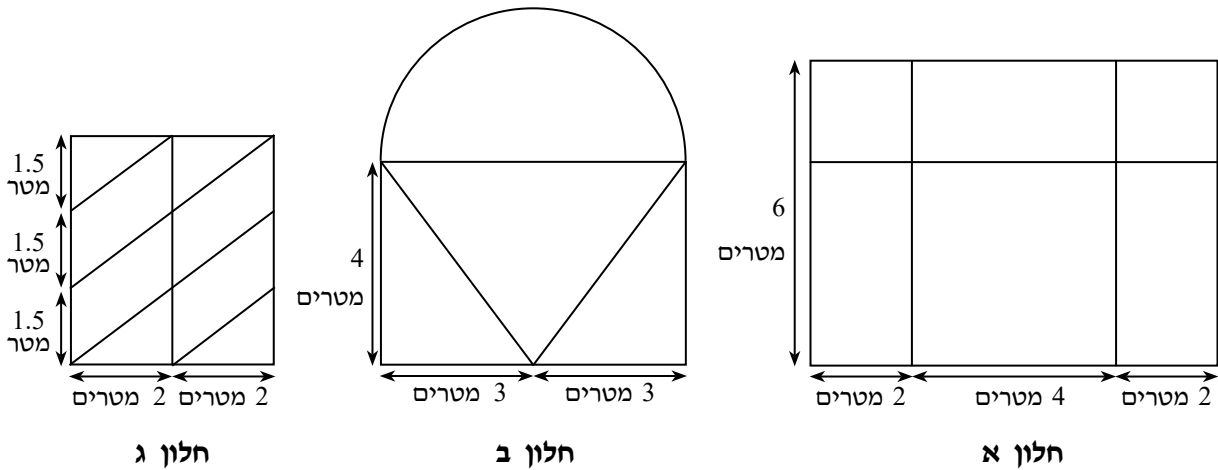
עמ' 49 , שאלה (9)



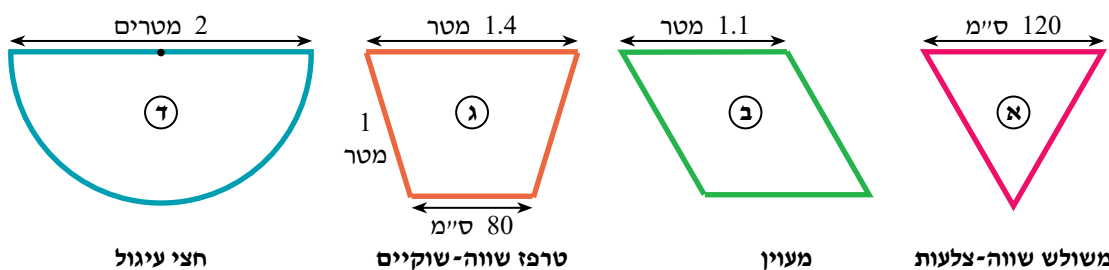
עמ' 50 , שאלה (10)



עמ' 50 , שאלה (11)

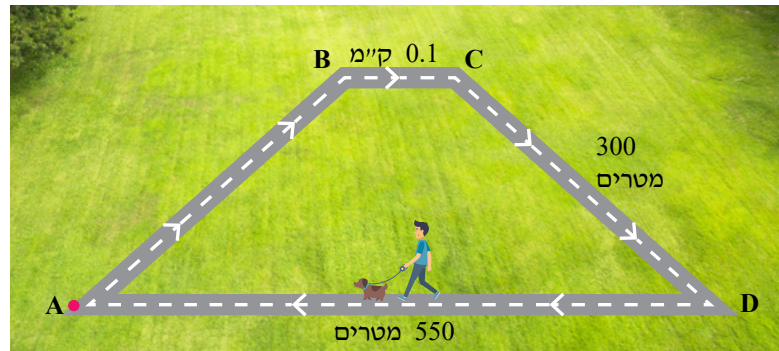


עמ' 51 , שאלה (12)

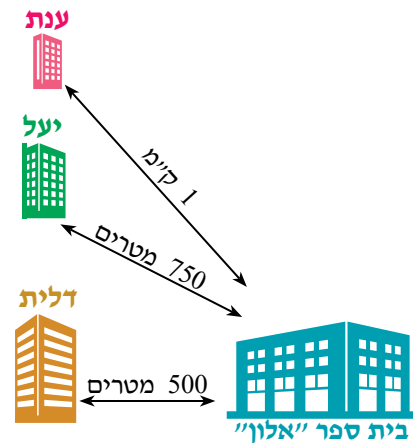


יחידה 2 : מסלולים

עמ' 58 , שאלה (3)



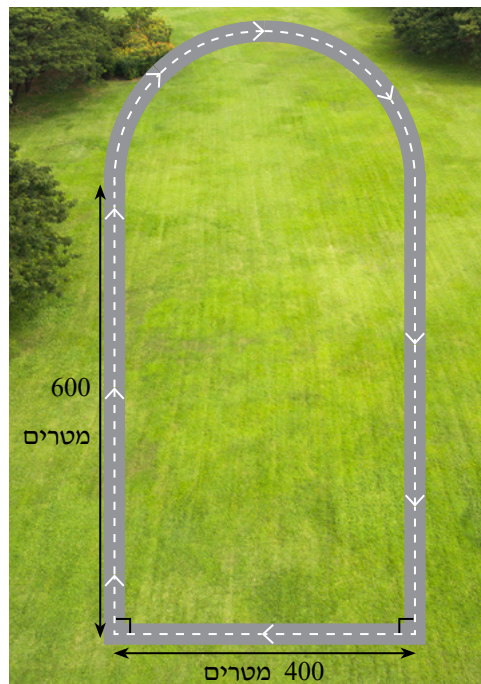
עמ' 58 , שאלה (4)



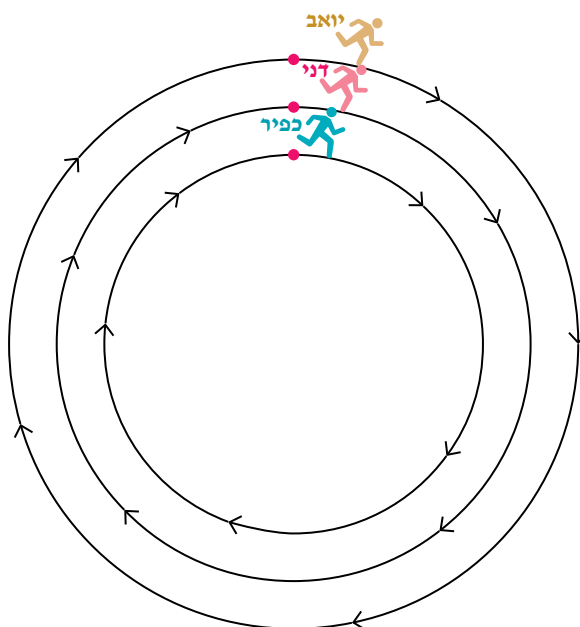
עמ' 59 , שאלה (6)



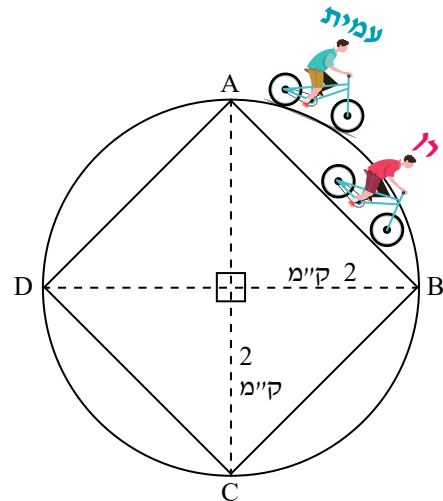
עמ' 59 , שאלה (7)



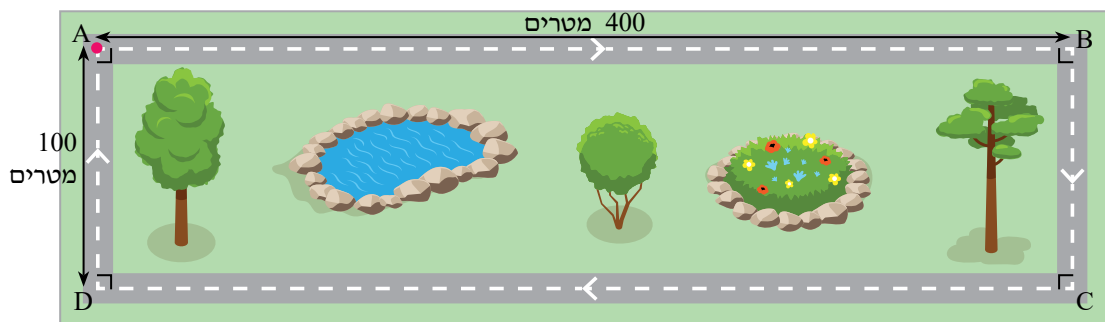
עמ' 60 , שאלה (8)



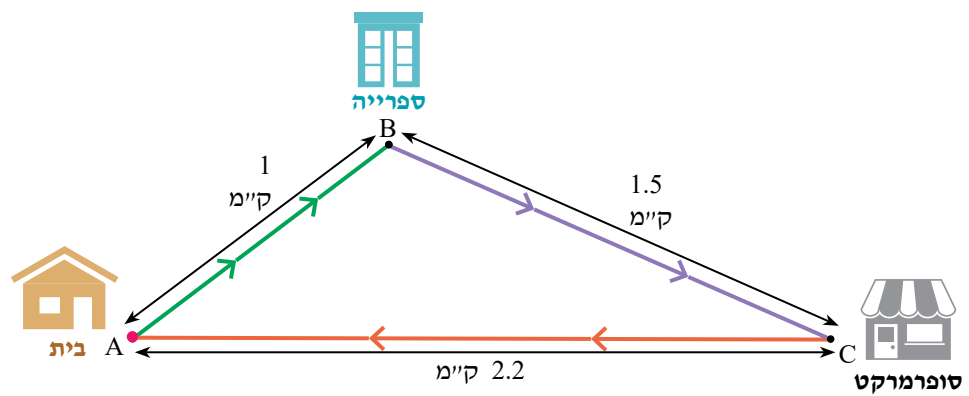
עמ' 60 , שאלה (9)



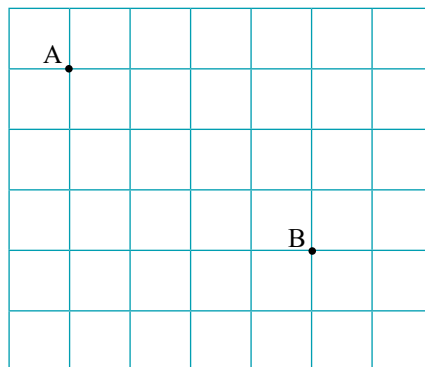
עמ' 61 , שאלה (10)



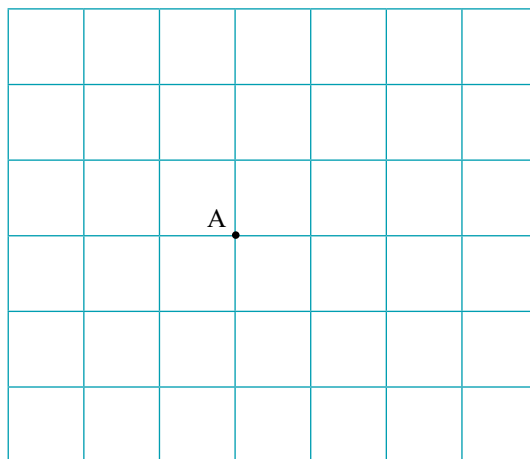
עמ' 61 , שאלה (11)



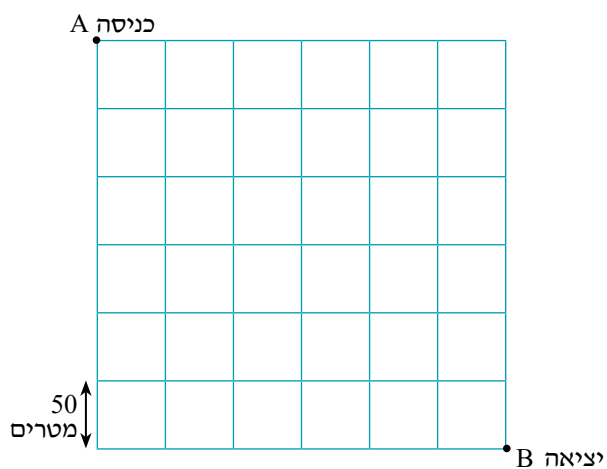
עמ' 65 , משימה



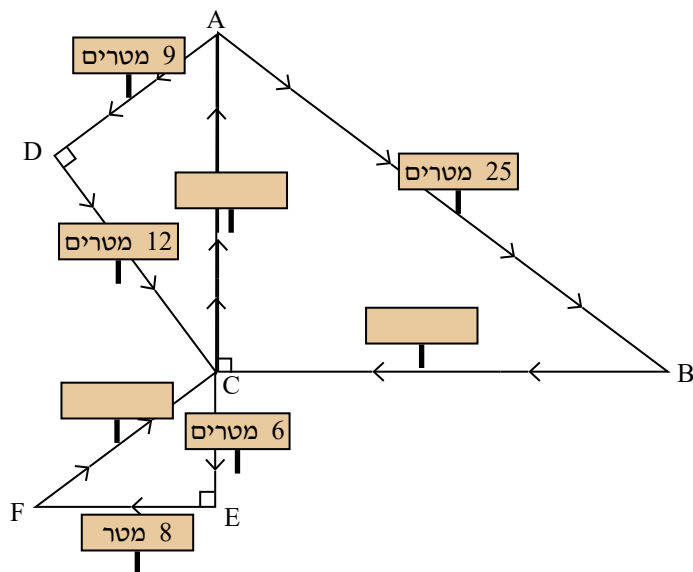
עמ' 67 , שאלה (1)



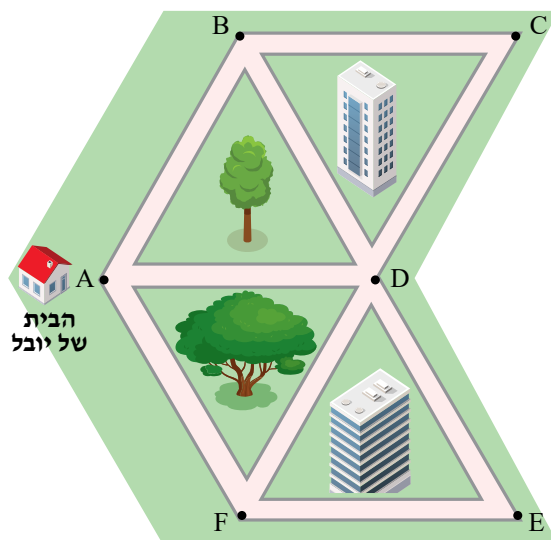
עמ' 67 , שאלה (2)



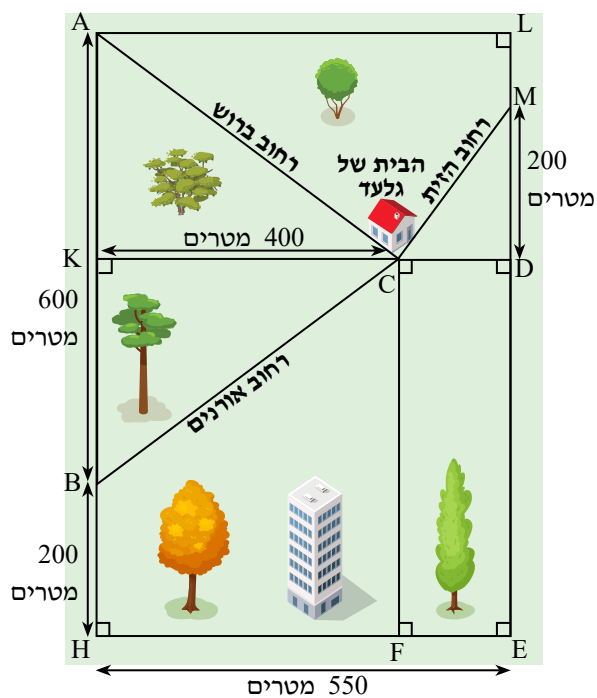
עמ' 68 , שאלה (3)



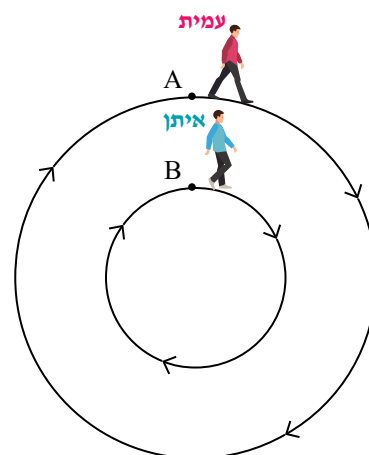
עמ' 68 , שאלה (4)



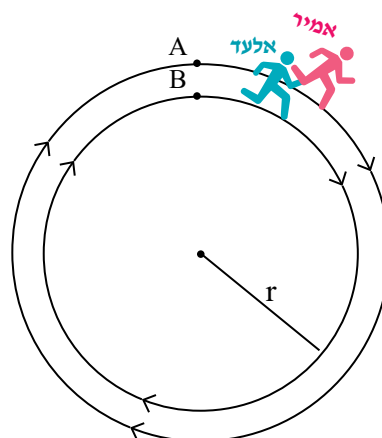
עמ' 69 , שאלה (5)



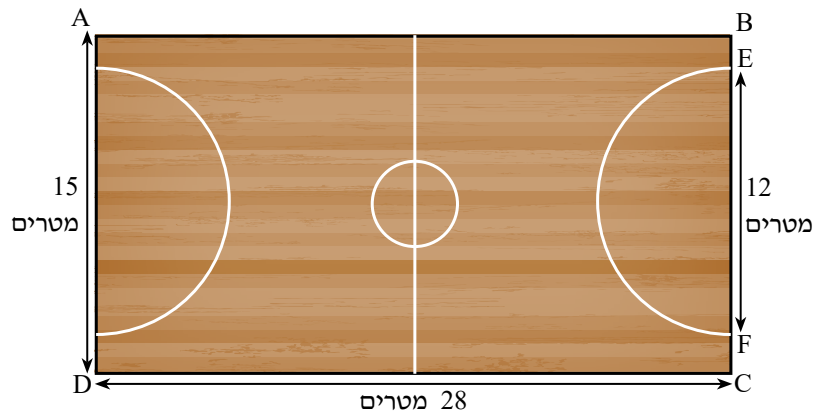
עמ' 69 , שאלה (6)



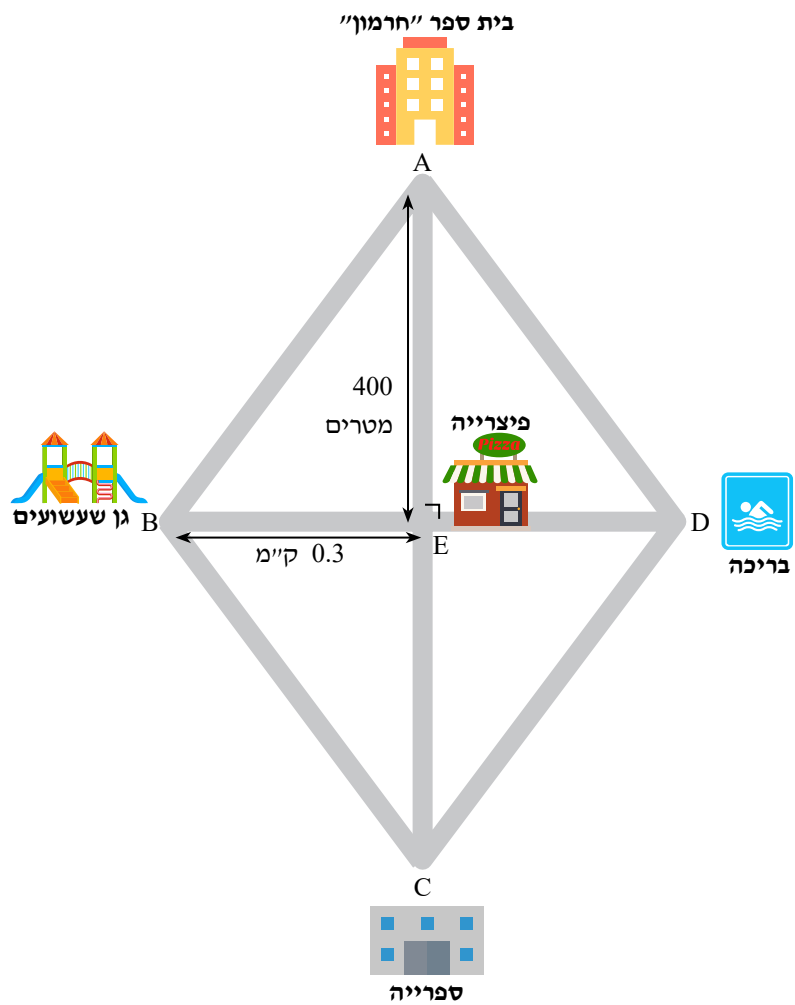
עמ' 70 , שאלה (7)



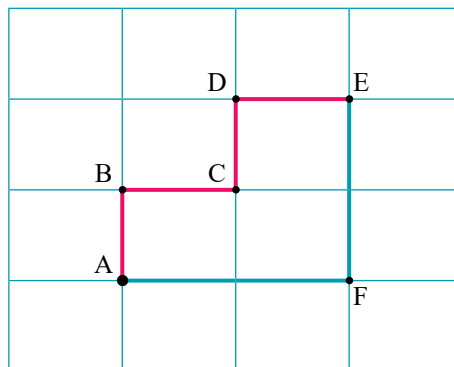
עמ' 70 , שאלה (8)



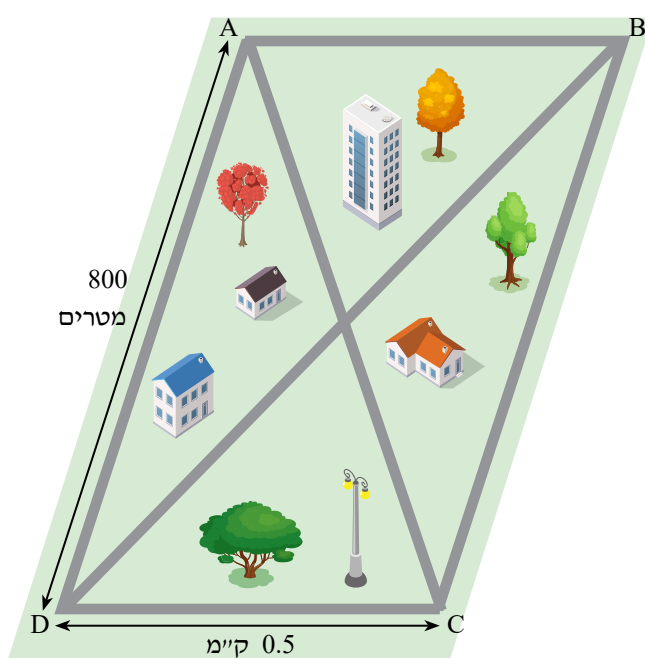
עמ' 71 , שאלה (10)



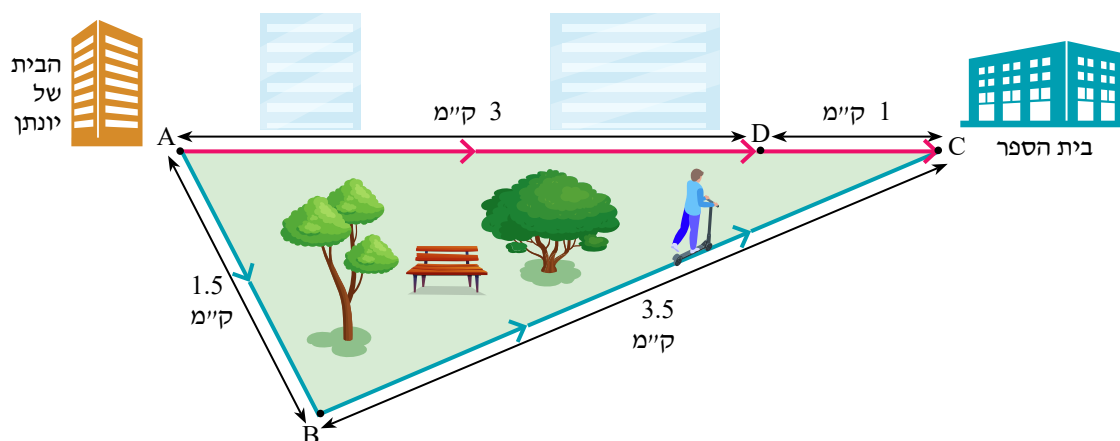
עמ' 72 , שאלה (11)



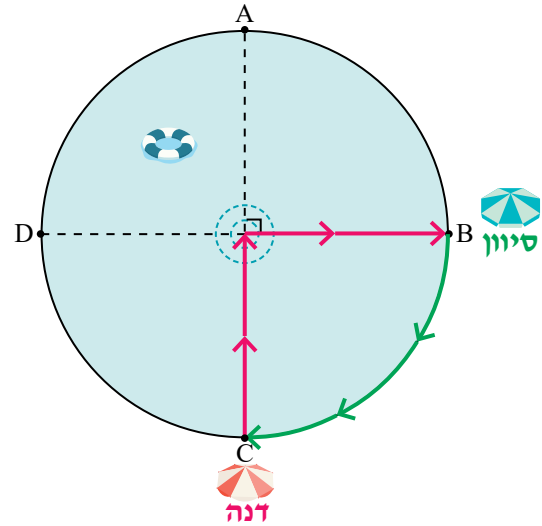
עמ' 72 , שאלה (12)



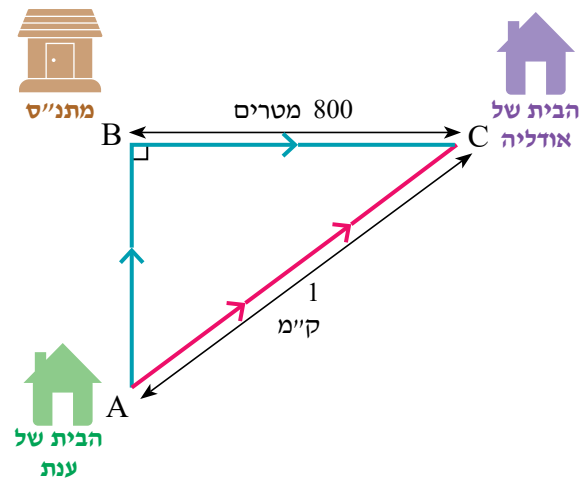
עמ' 76 , שאלה (1)



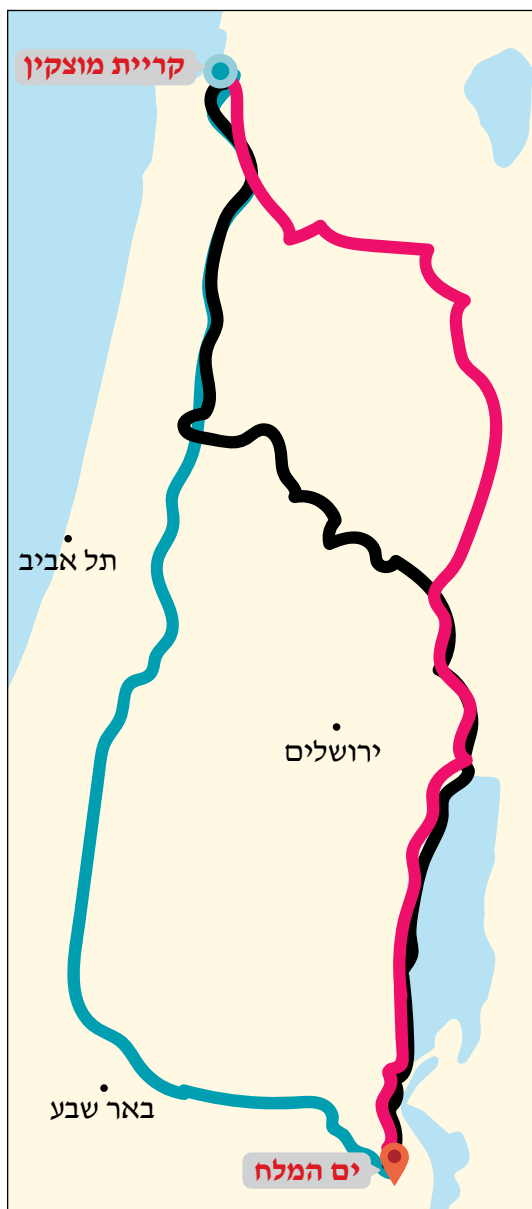
עמ' 76 , שאלה (2)



עמ' 77 , שאלה (3)

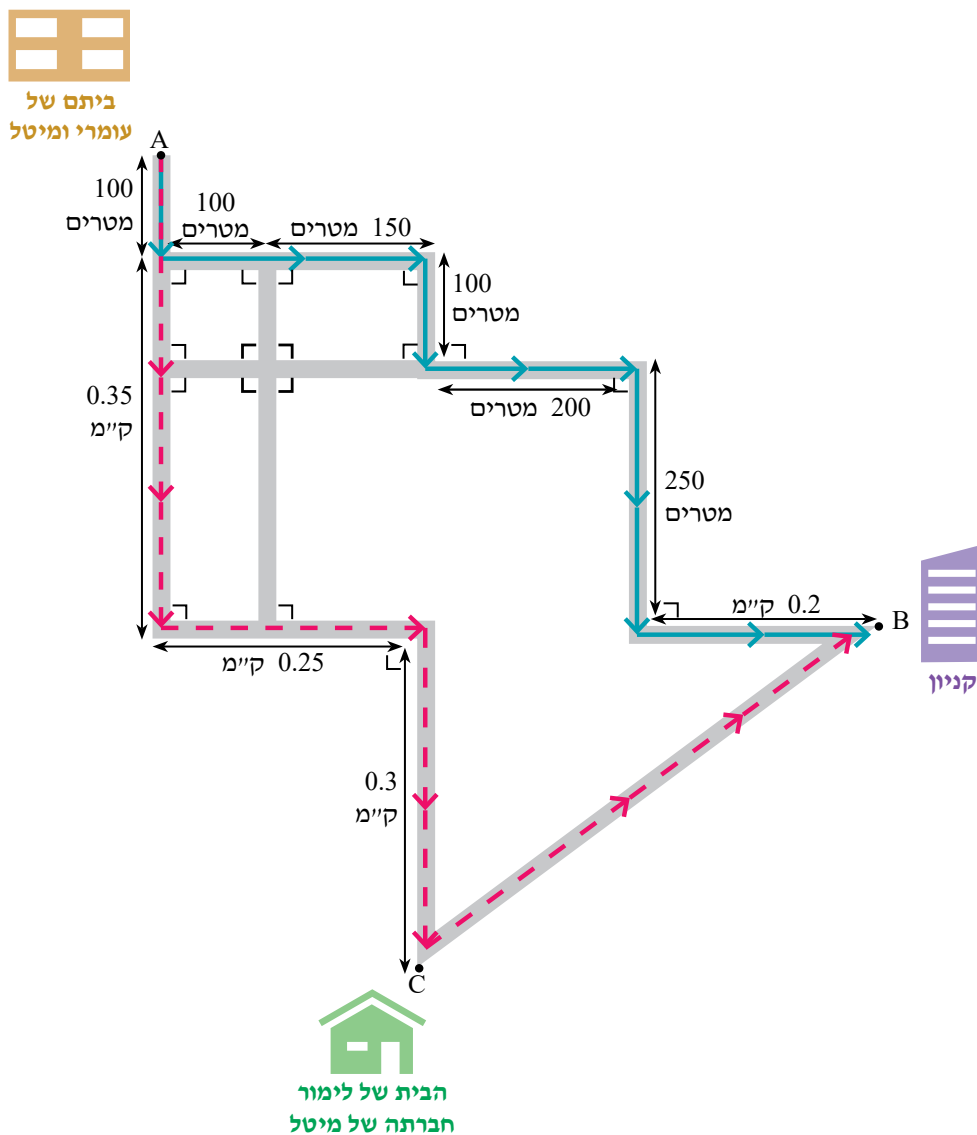


עמ' 79, שאלה (7)

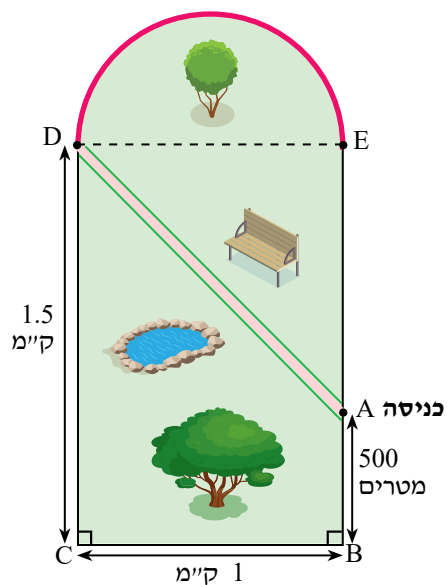


הוראות נסיעה	
קריית מוצקין	
ים המלח	
צאו עכשיו	
שמירה לאפליקציה	
מסלולים	
3 שעות ו- 3 דקות	①
260.6 ק"מ	
3 שעות ו- 35 דקות	②
254 ק"מ	
3 שעות ו- 53 דקות	③
267.6 ק"מ	

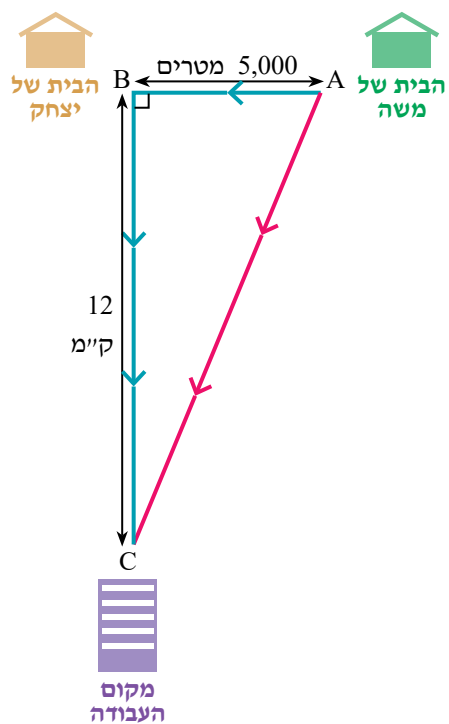
עמ' 80 , שאלה (8)



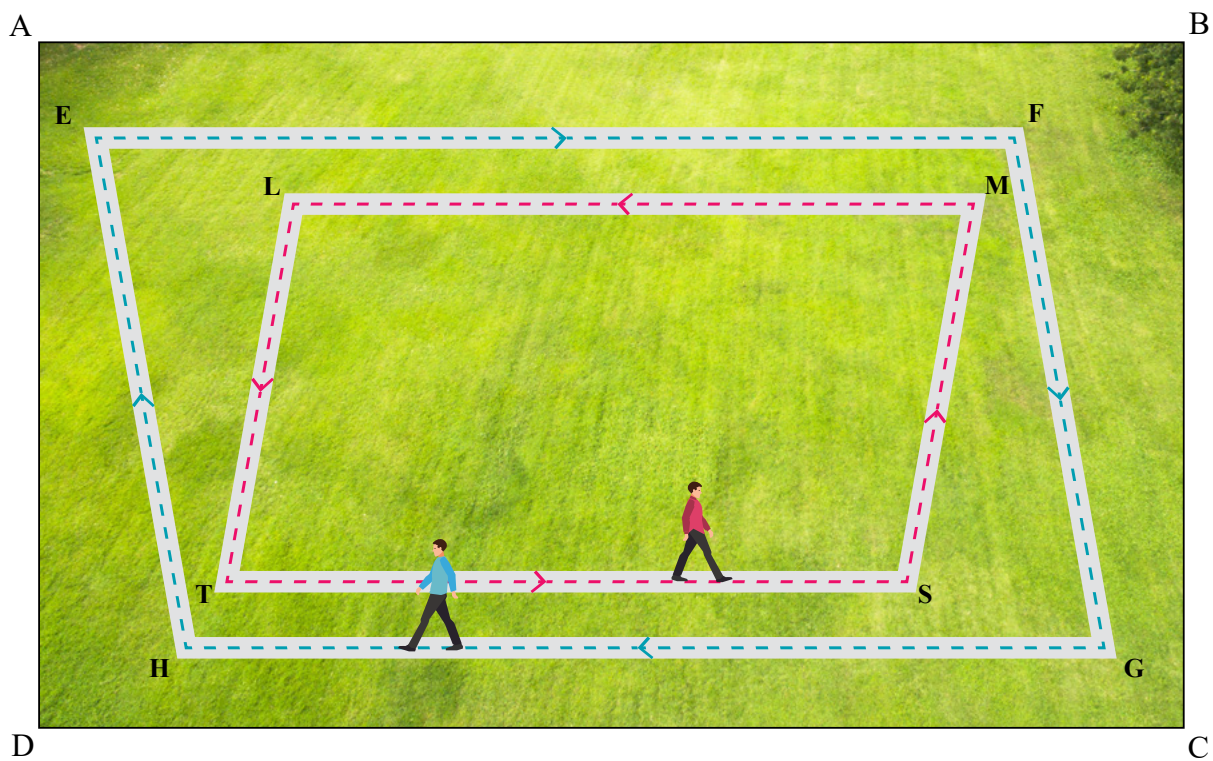
עמ' 81 , שאלה (9)



עמ' 81 , שאלה (10)



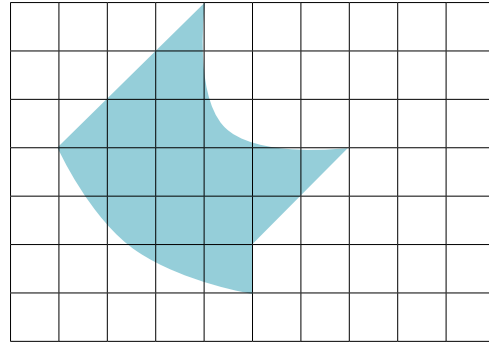
עמ' 82 , שאלה (11)



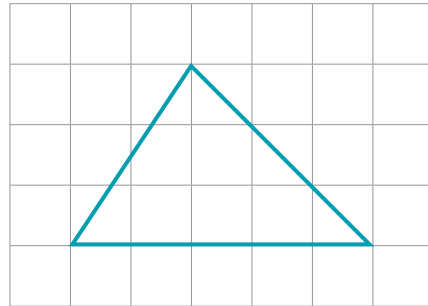
יחידה 3 :

חישוב שטחים של צורות גאומטריות בהקשר אורייני

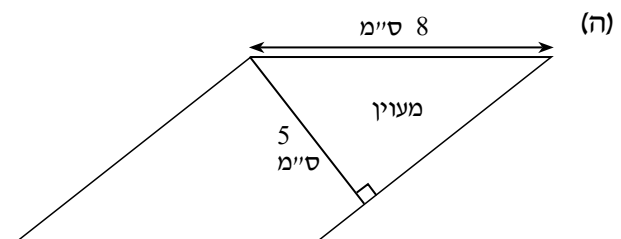
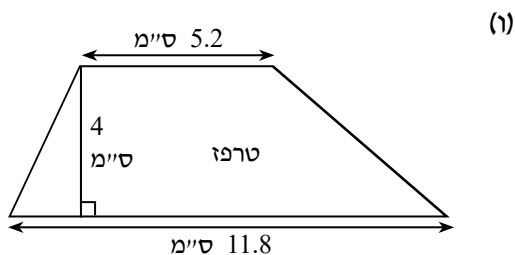
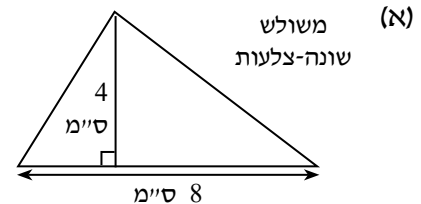
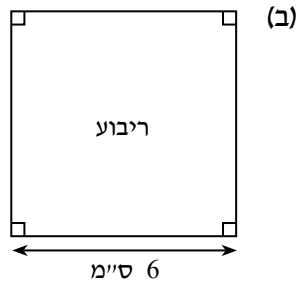
עמ' 85, שאלה (1)



עמ' 86, שאלה (2)



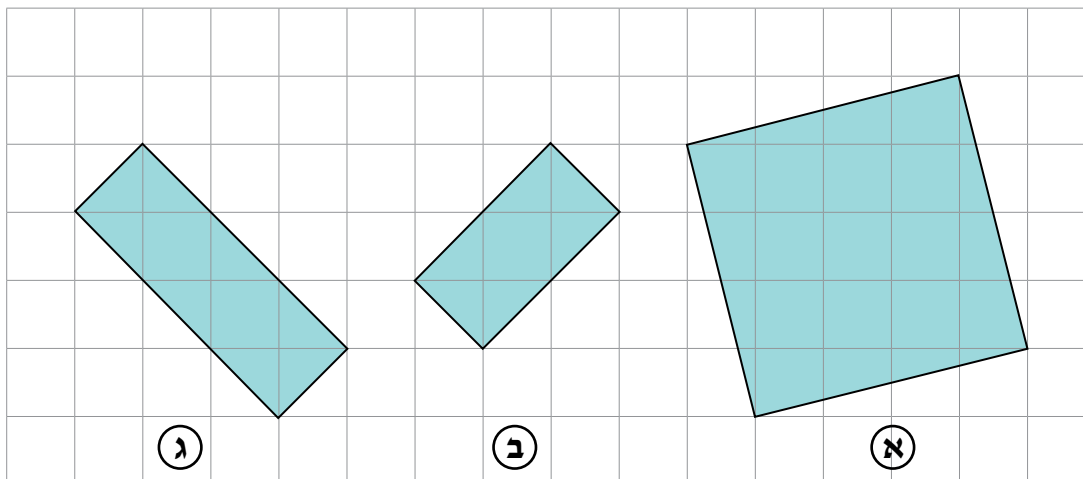
עמ' 90, משימה 1



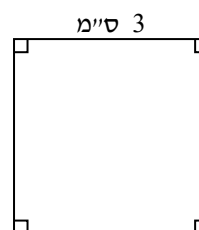
עמ' 91, משימה 2 (1) (ב)

מלבן	אורך צלע אחת	אורך צלע שנייה	היקף
1			
2			
3			

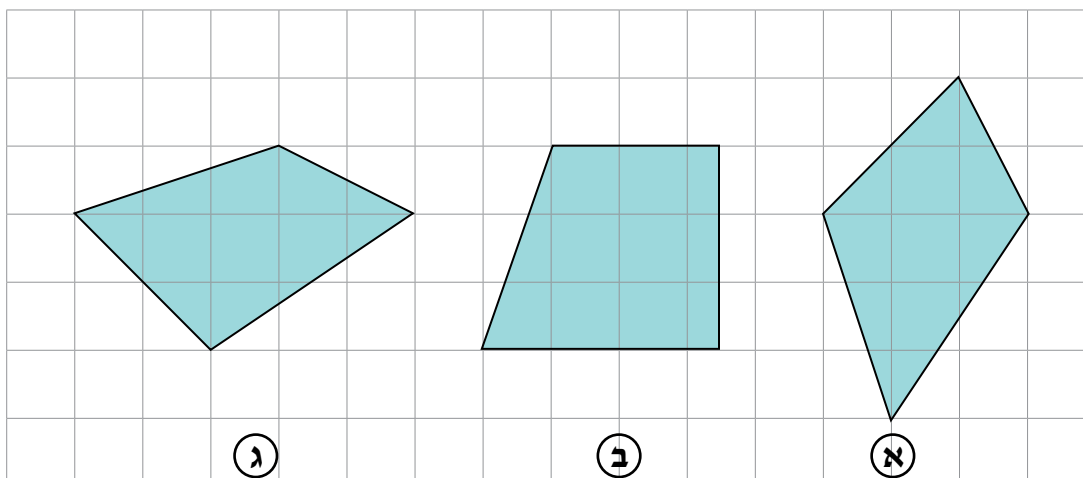
עמ' 91, משימה 2 (2)



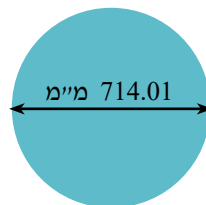
עמ' 94, שאלה (1)



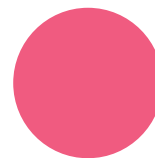
עמ' 94, שאלה (3)



עמ' 94 , שאלה (4)

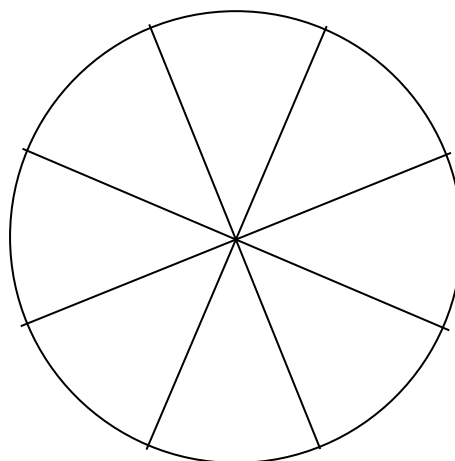


קרקעית
הגייגית הגדולה

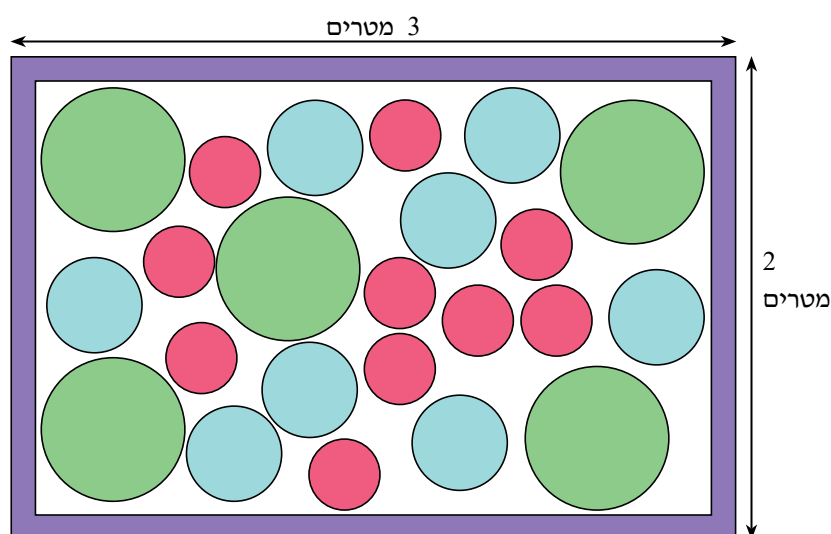


קרקעית
הקטנה

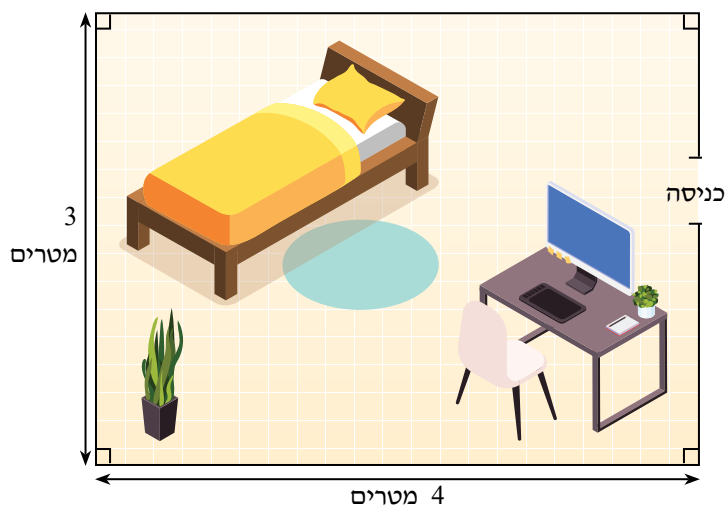
עמ' 95 , שאלה (6)



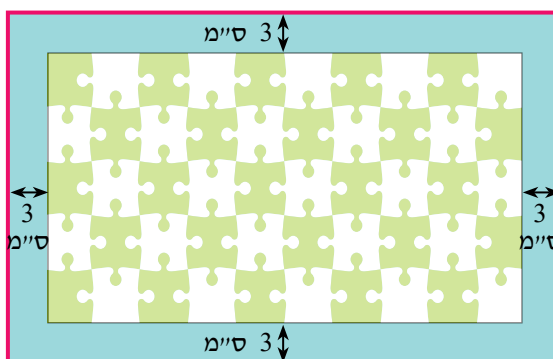
עמ' 96 , שאלה (7)



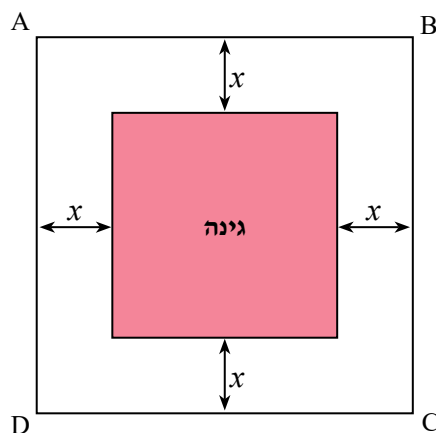
עמ' 96 , שאלה (8)



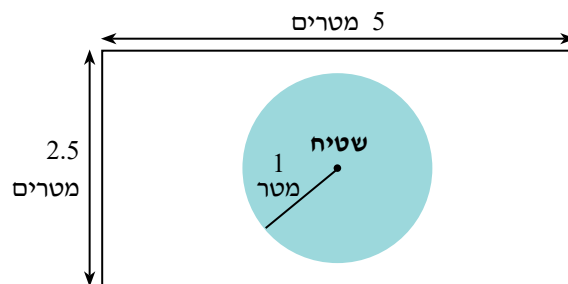
עמ' 97 , שאלה (9)



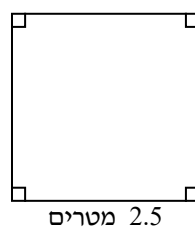
עמ' 97 , שאלה (10)



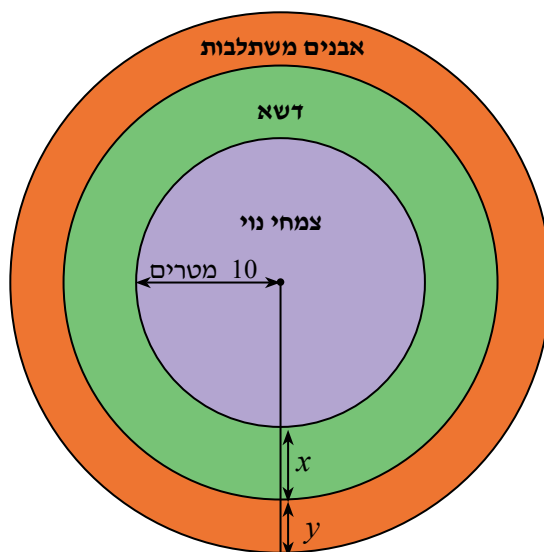
עמ' 97, שאלה (11)



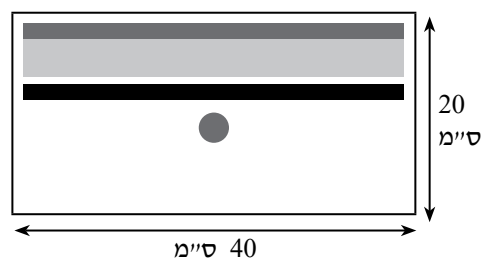
עמ' 98, שאלה (12)



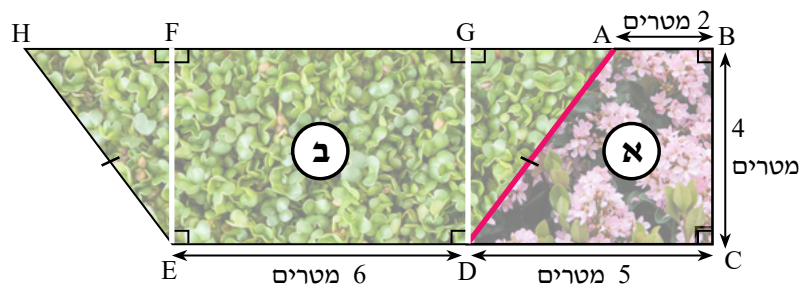
עמ' 98, שאלה (13)



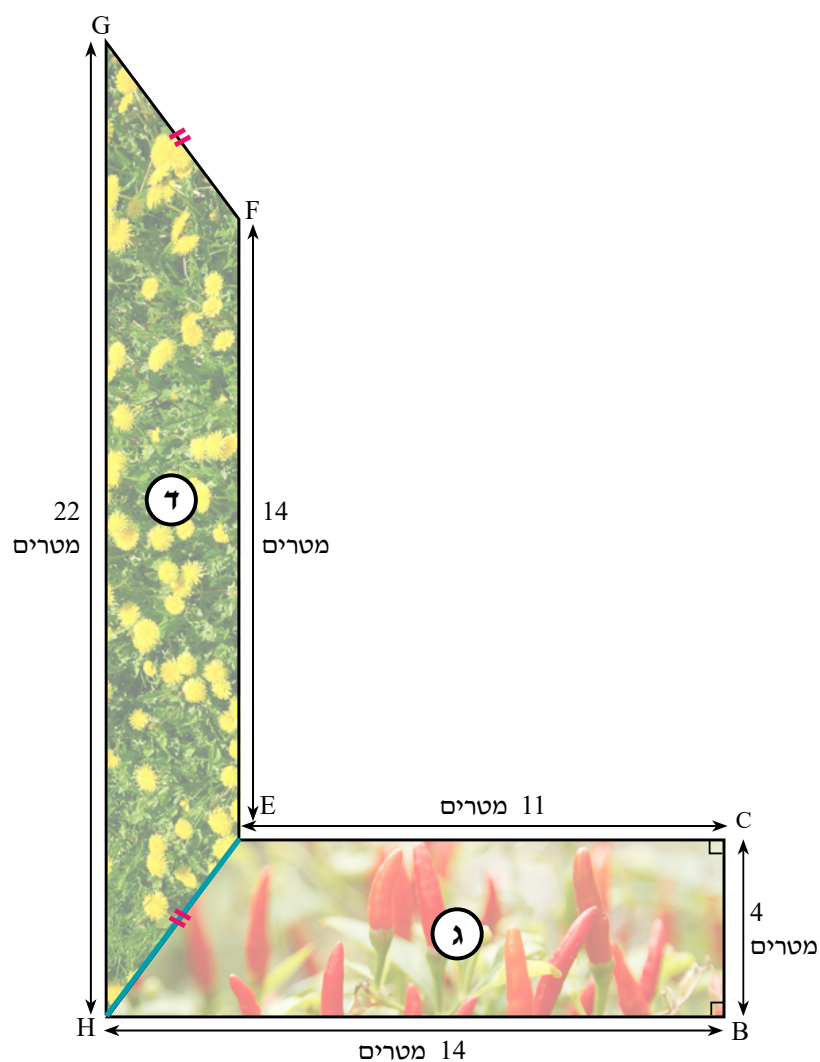
עמ' 99, שאלה (14)



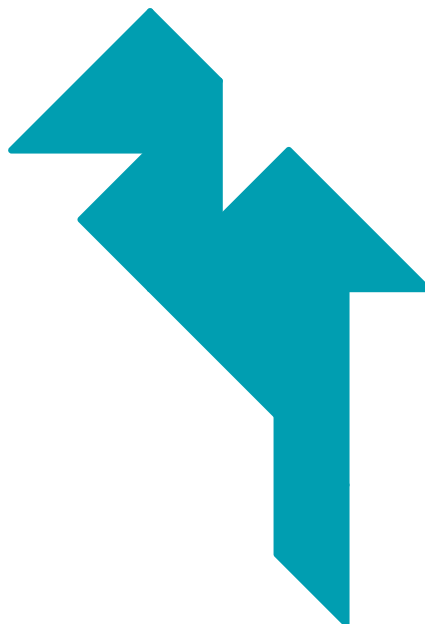
עמ' 100 , שאלה (15)



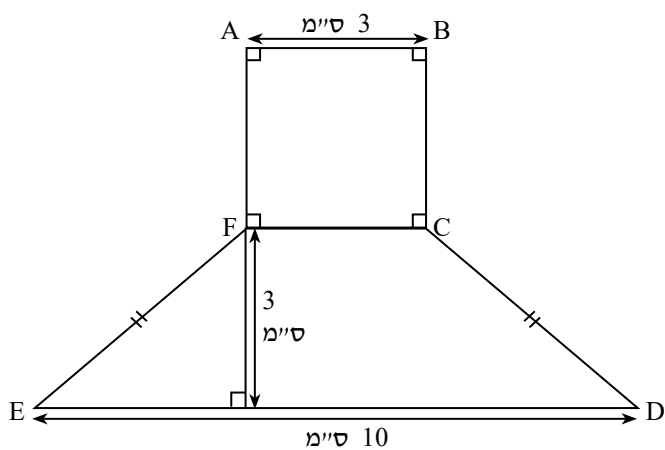
עמ' 100 , שאלה (16)



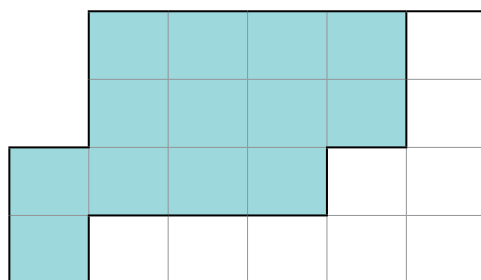
עמ' 102 , משימה (1)



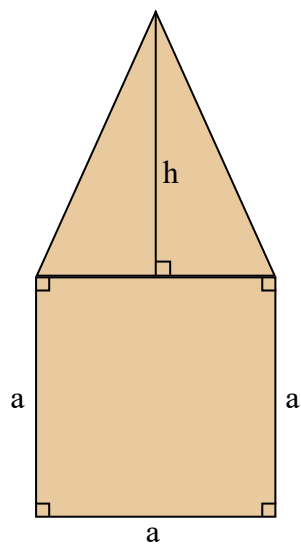
עמ' 102 , משימה (2)



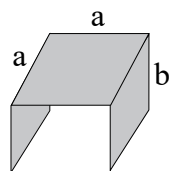
עמ' 103 , שאלה (1)



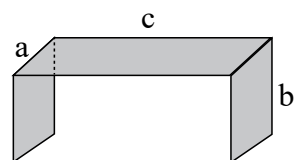
עמ' 104 , שאלה (2)



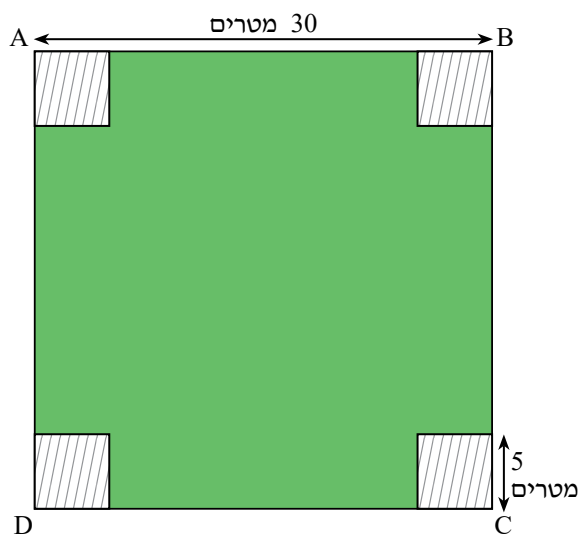
עמ' 104 , שאלה (3)



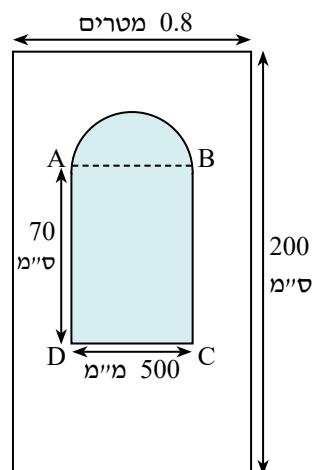
עמ' 104 , שאלה (4)



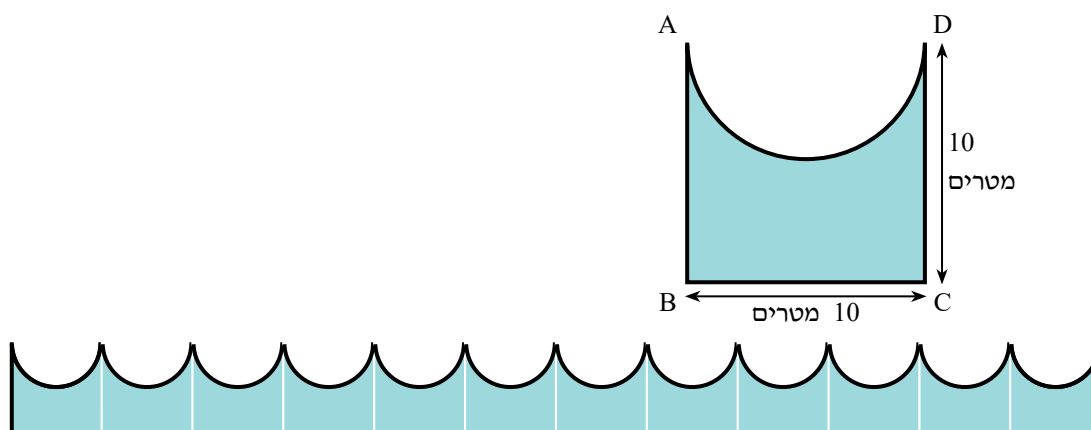
עמ' 105 , שאלה (5)



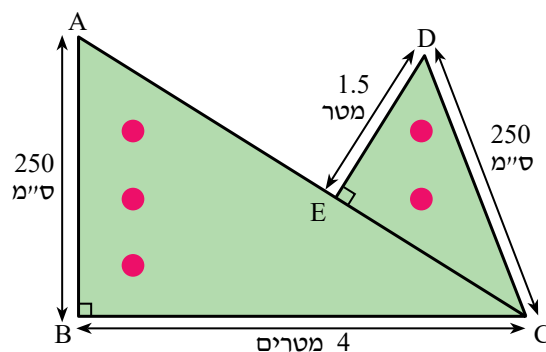
עמ' 105 , שאלה (6)



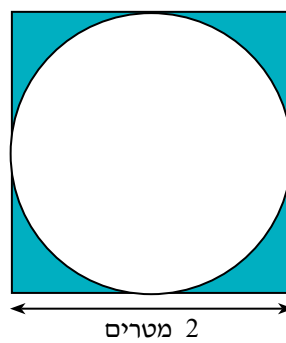
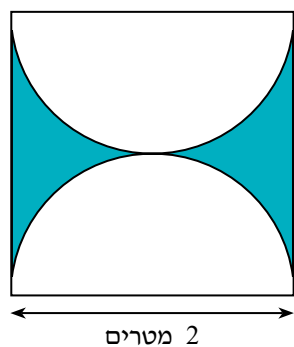
עמ' 105 , שאלה (7)



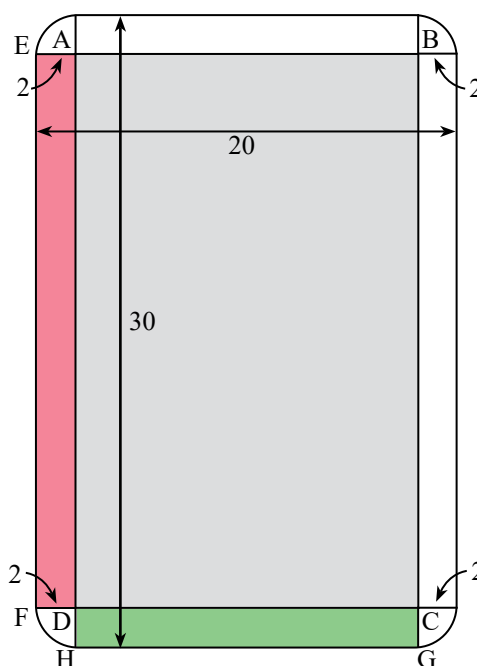
עמ' 106 , שאלה (8)



עמ' 106 , שאלה (9)



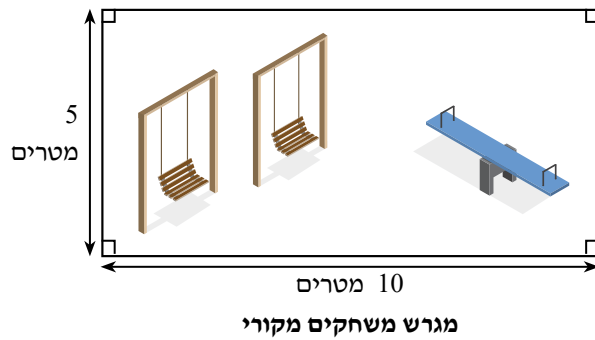
עמ' 107 , שאלה (10)



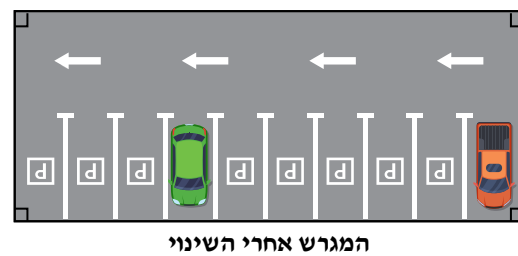
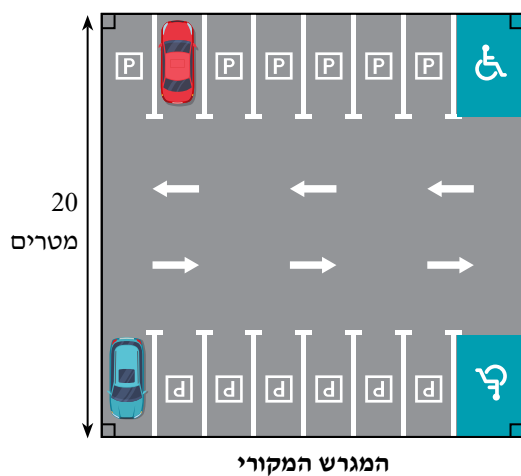
עמ' 109 , משימה



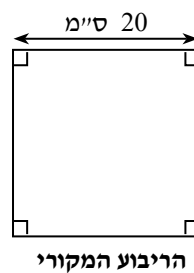
עמ' 110 , שאלה (1)



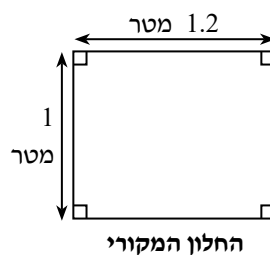
עמ' 110 , שאלה (2)



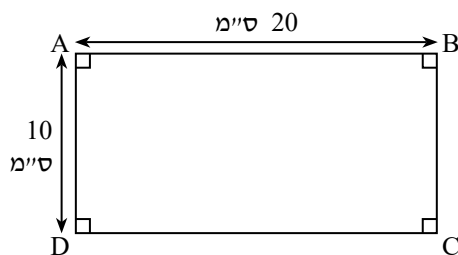
עמ' 111 , שאלה (3)



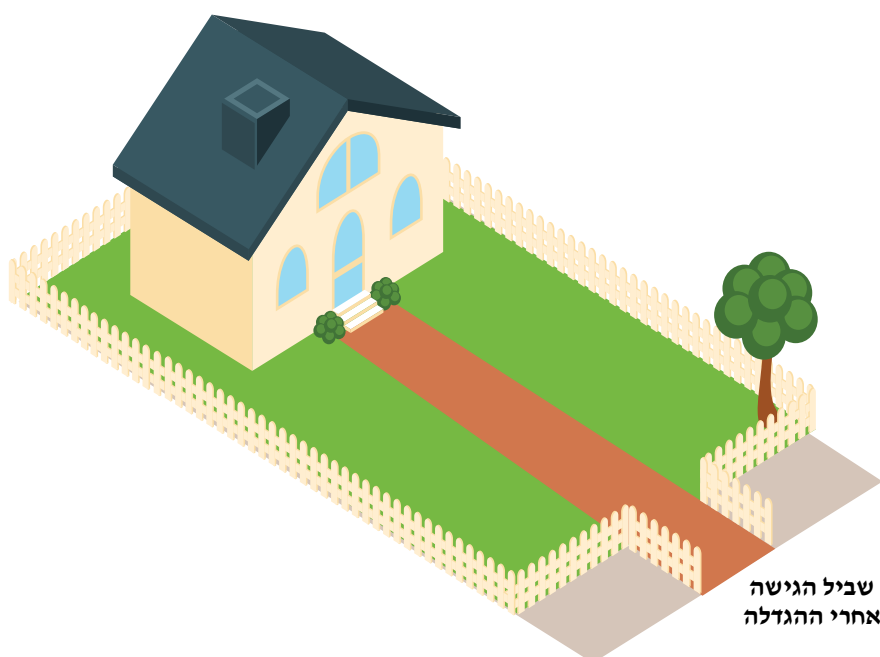
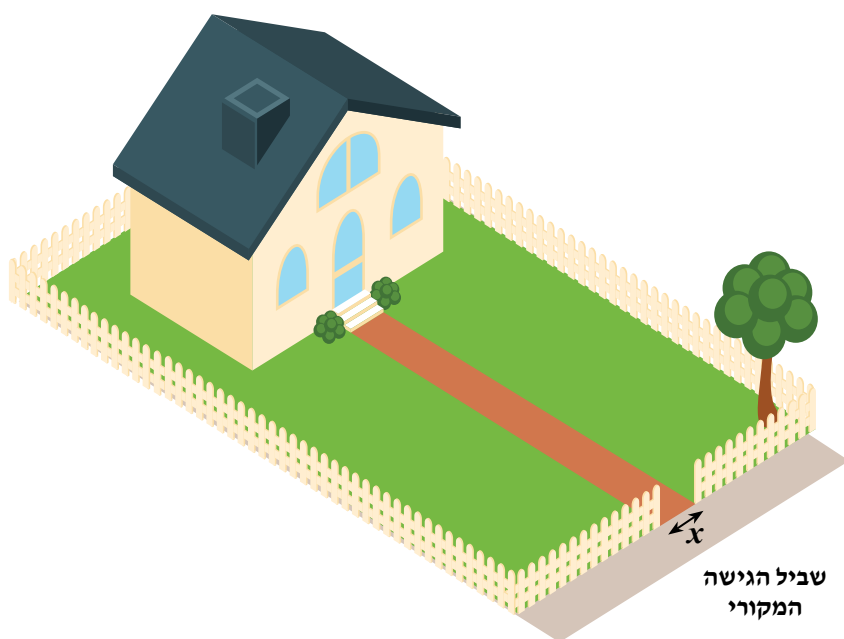
עמ' 111 , שאלה (4)



עמ' 111, שאלה (5)



עמ' 112, שאלה (6)

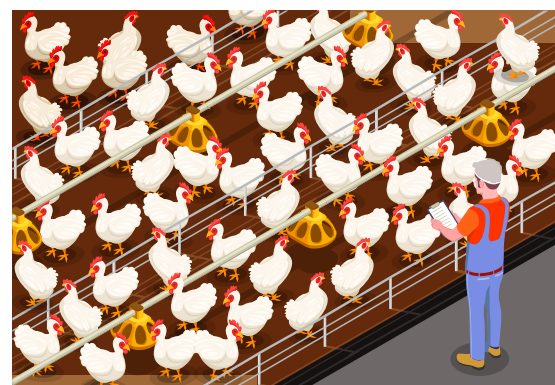


עמ' 113 , שאלה (7)

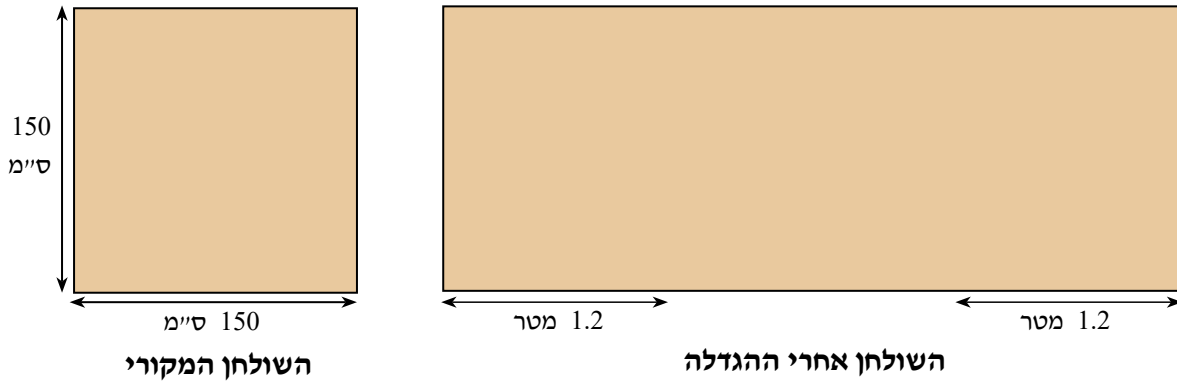
דגם ②	דגם ①
	

דגם ④	דגם ③
	

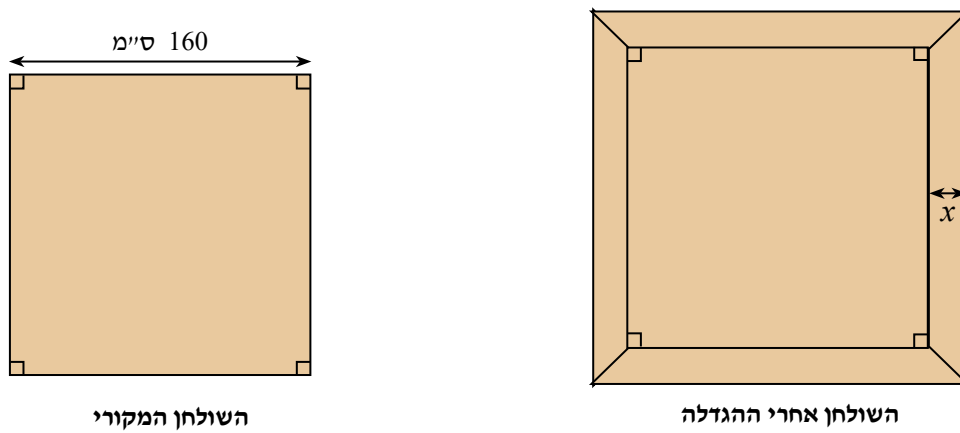
עמ' 114 , שאלה (8)



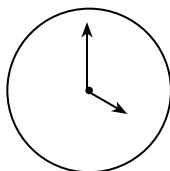
עמ' 114 , שאלה (9)



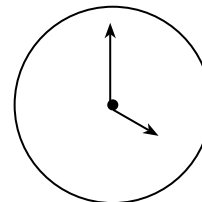
עמ' 115 , שאלה (10)



עמ' 115 , שאלה (11)

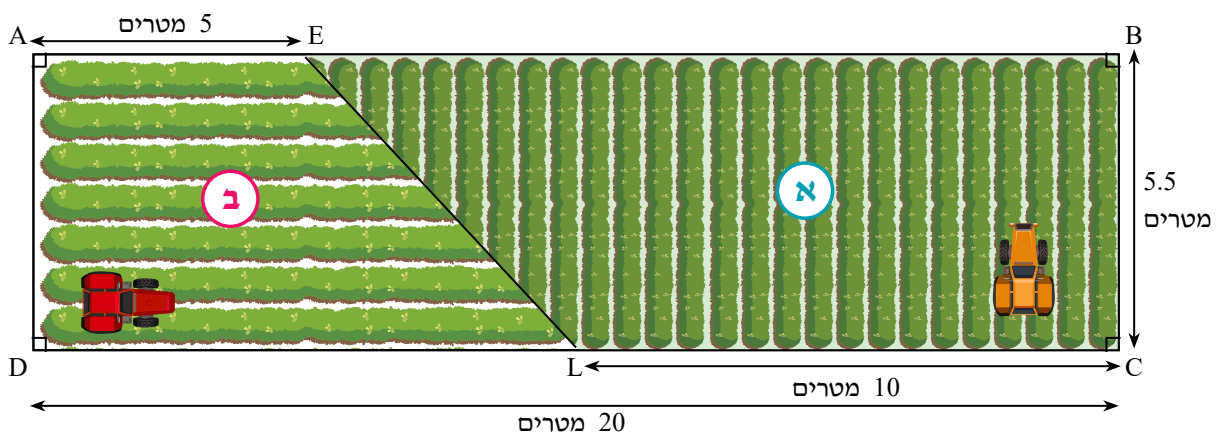


שעון א



שעון ב

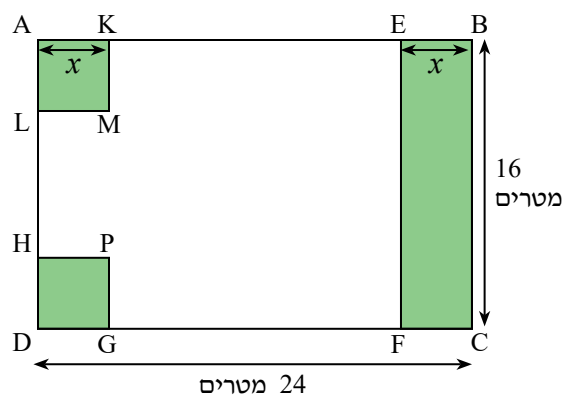
עמ' 117 , משימה



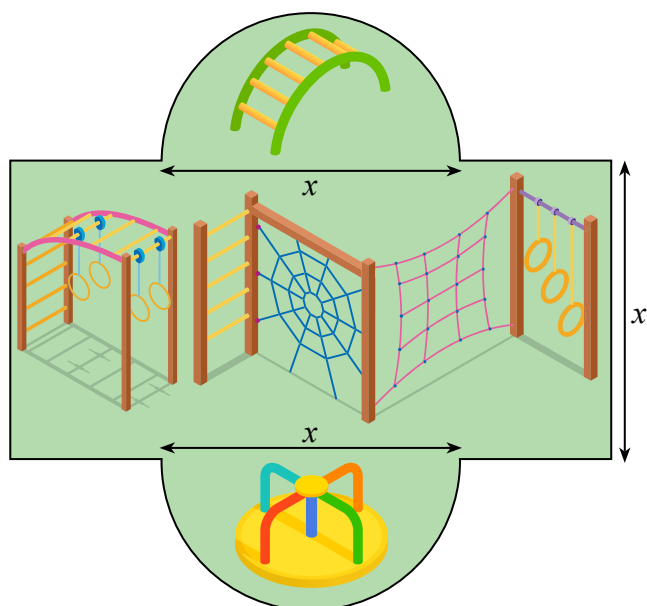
עמ' 119 , שאלה (2)



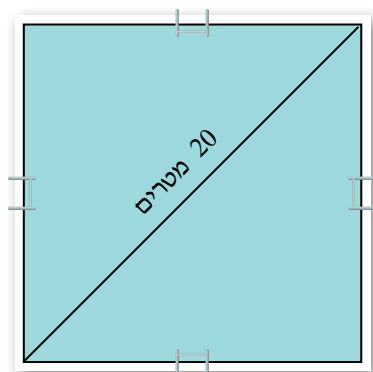
עמ' 120 , שאלה (5)



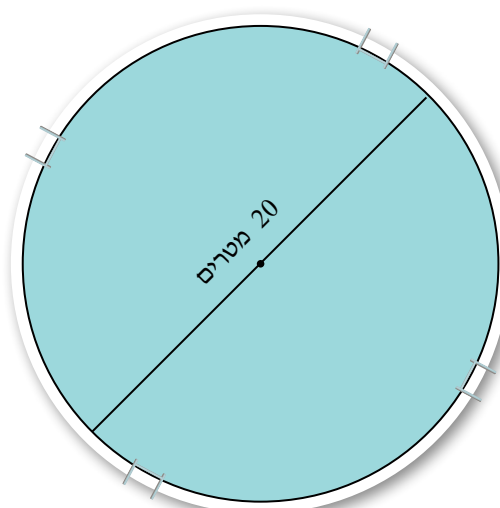
עמ' 120 , שאלה (6)



עמ' 121, שאלה (7)

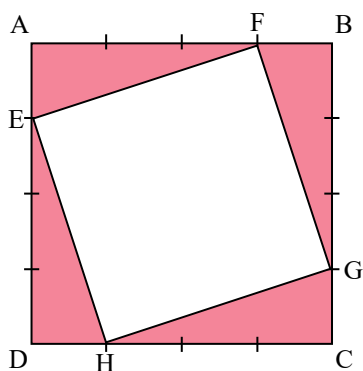


אפשרות 2

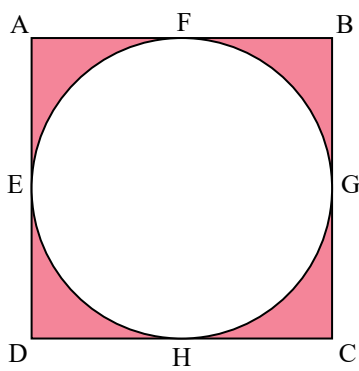


אפשרות 1

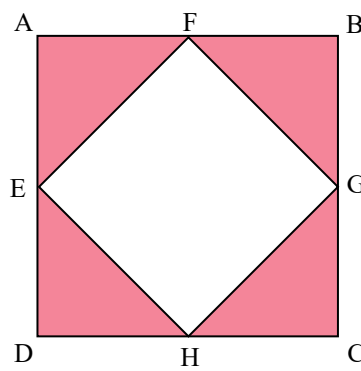
עמ' 122, שאלה (8)



הצעה ③

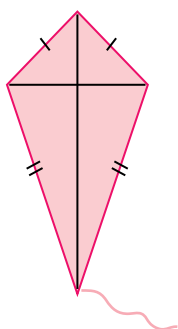


הצעה ②

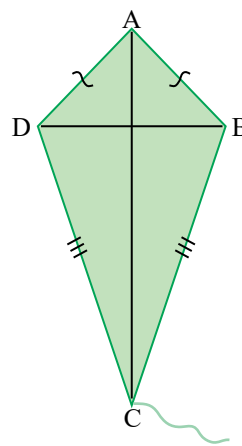


הצעה ①

עמ' 122, שאלה (9)

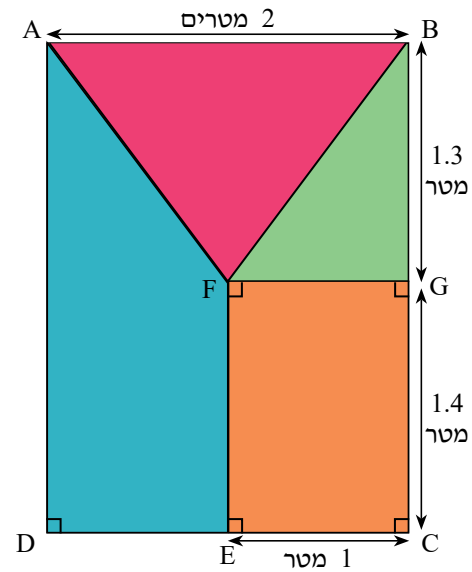


עפיפון ב

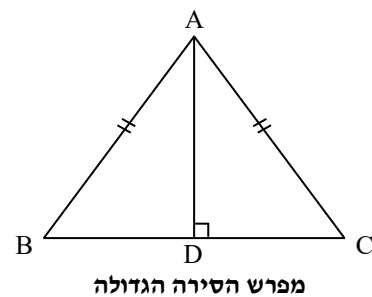
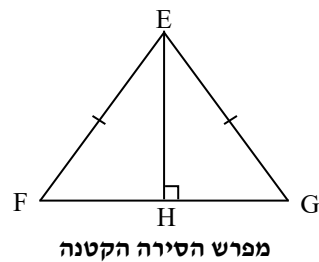


עפיפון א

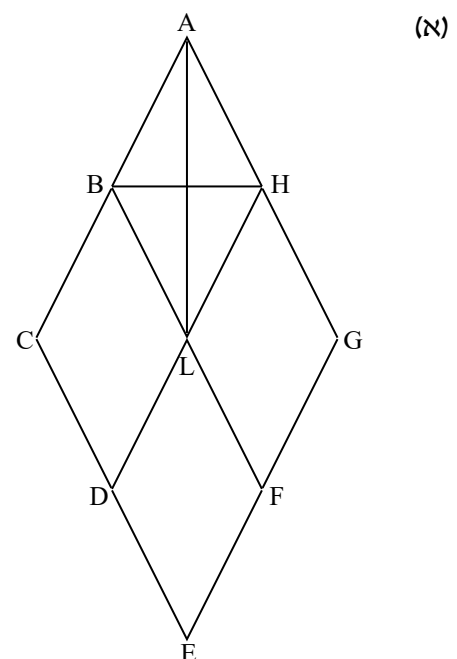
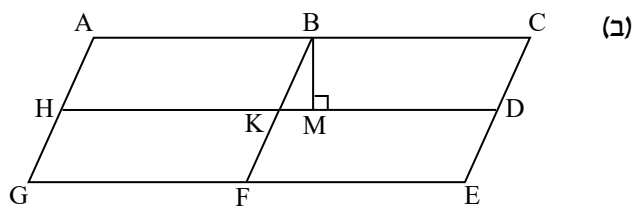
עמ' 123 , שאלה (10)



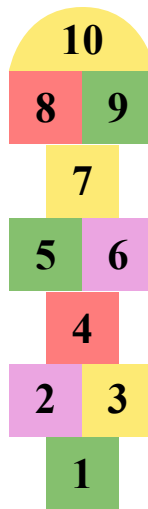
עמ' 123 , שאלה (11)



עמ' 124 , שאלה (12)

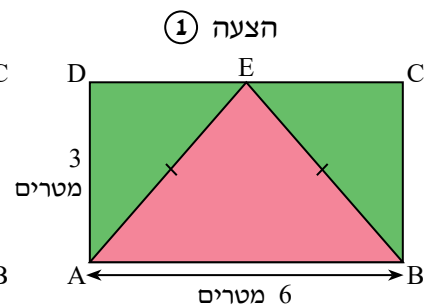
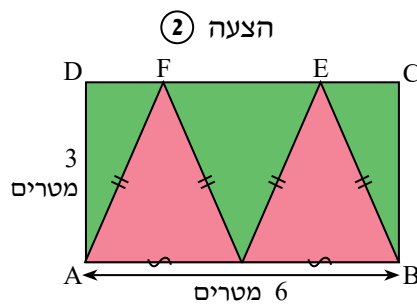
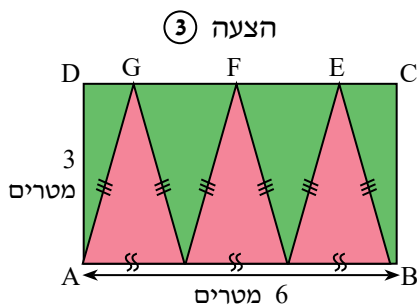


עמ' 125 , שאלה (13)

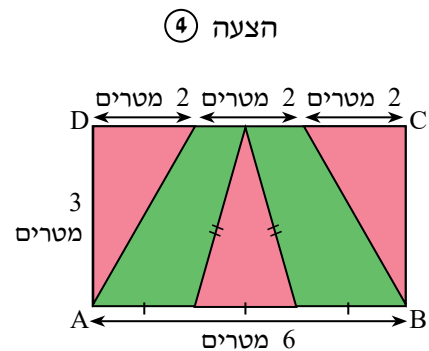


עמ' 125 , שאלה (14)

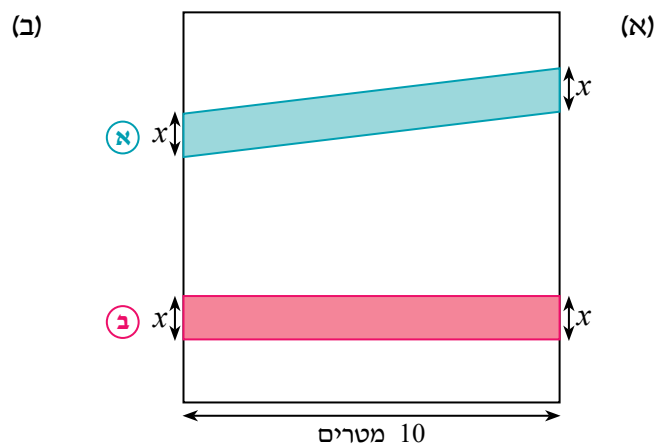
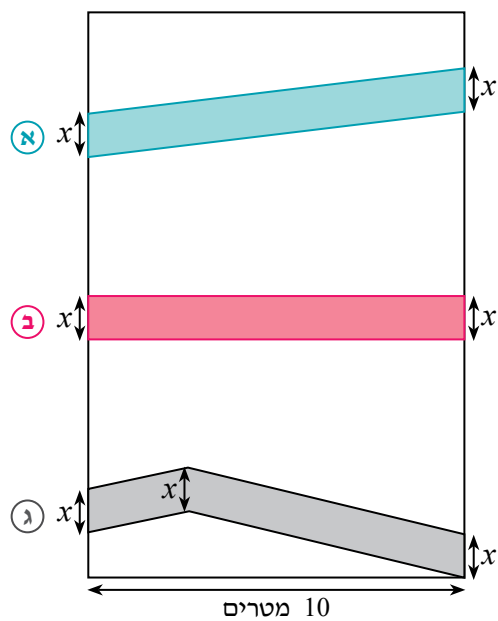
(א)



(ג)

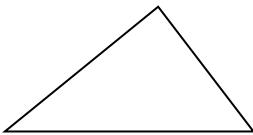
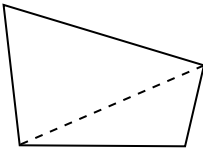
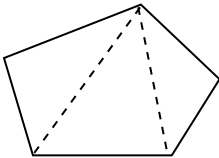
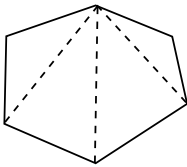
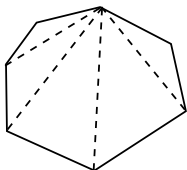


עמ' 126, שאלה (15)

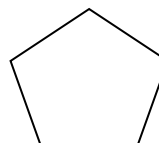


יחידה 4 : ריצופים

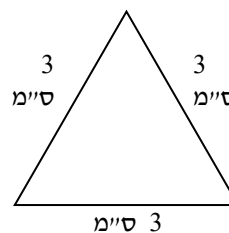
עמ' 129 , משימה : מוצאים סכום זוויות במצולעים

שם המצולע	סרטוט	מספר קודקודים (n)	סכום הזוויות (במעלות)
משולש		3	$1 \cdot 180 = 180$
מרובע		4	$2 \cdot 180 = 360$
מחומש			
משושה			
משובע			

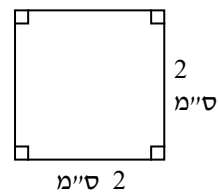
עמ' 131 , משימה : בודקים



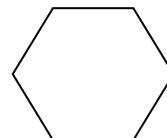
עמ' 132 , שאלה (1)



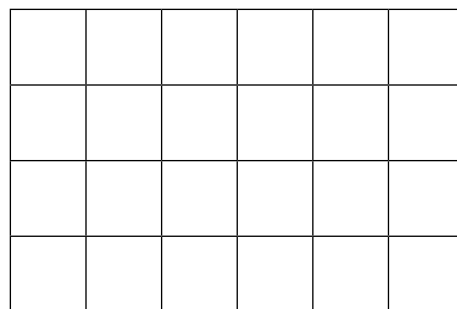
עמ' 132 , שאלה (2)



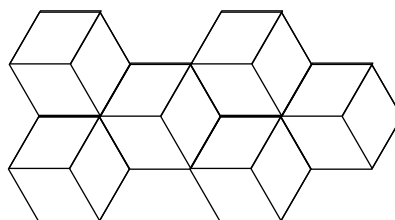
עמ' 132 , שאלה (3)



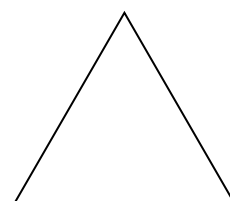
עמ' 133 , שאלה (5)



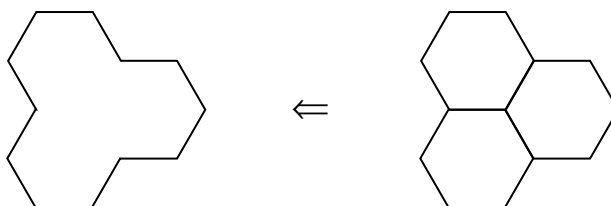
עמ' 133 , שאלה (6)



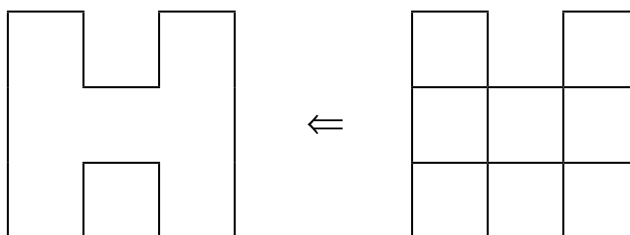
עמ' 133 , שאלה (7)



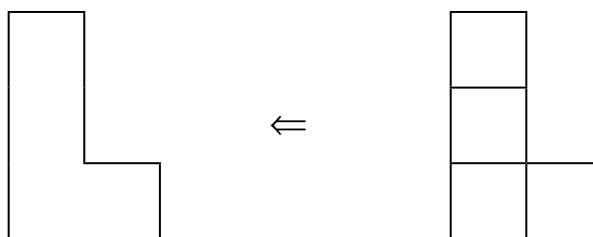
עמ' 134 , שאלה (8)



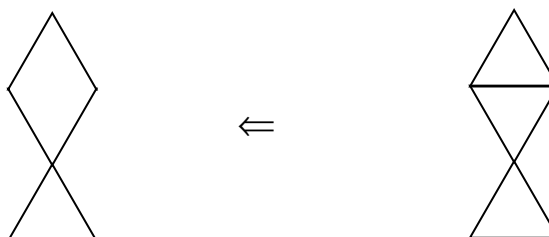
עמ' 134 , שאלה (9)



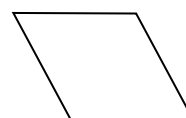
עמ' 135 , שאלה (10)



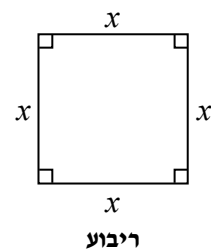
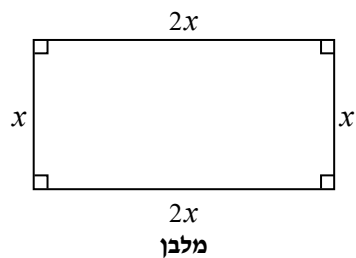
עמ' 135 , שאלה (11)



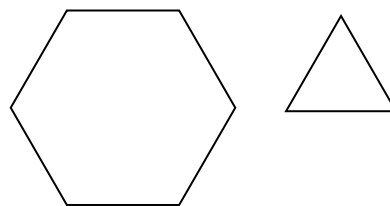
עמ' 137 , שאלה (2)



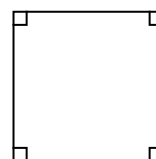
עמ' 137, שאלה (3)



עמ' 137, שאלה (4)



עמ' 138, שאלה (5)



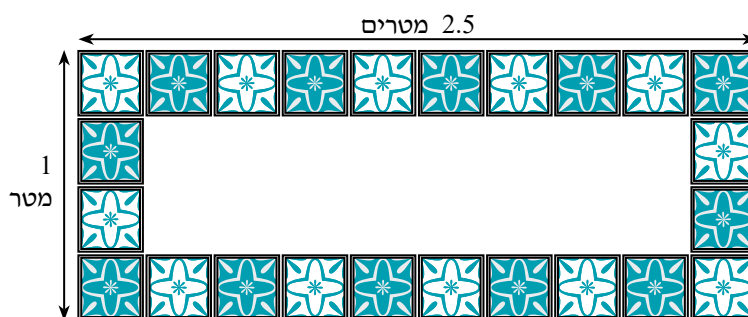
עמ' 139, משימה: ריצוף מחדש



עמ' 139, משימה: מה זול יותר?



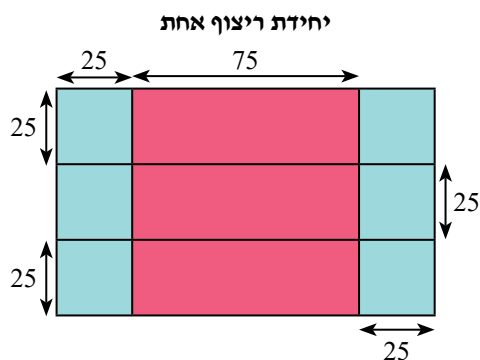
עמ' 143, שאלה (1)



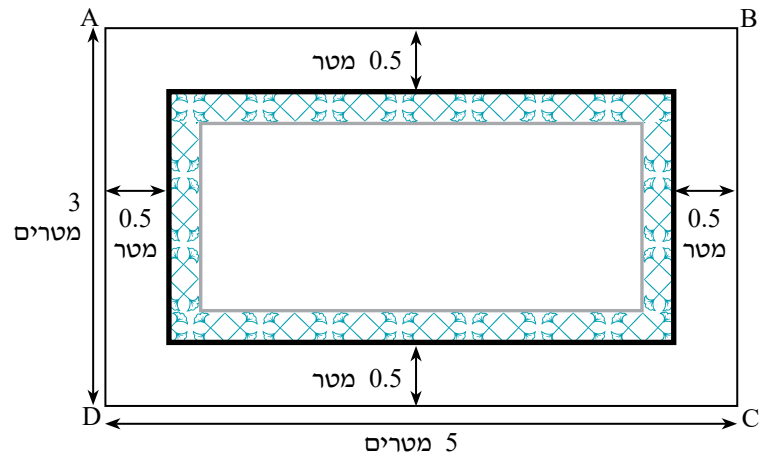
עמ' 143, שאלה (2)



עמ' 144, שאלה (3)

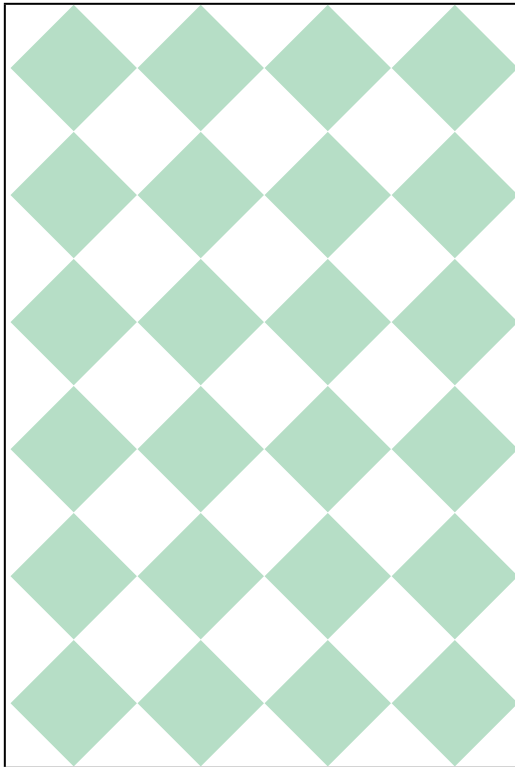


עמ' 144 , שאלה (4)

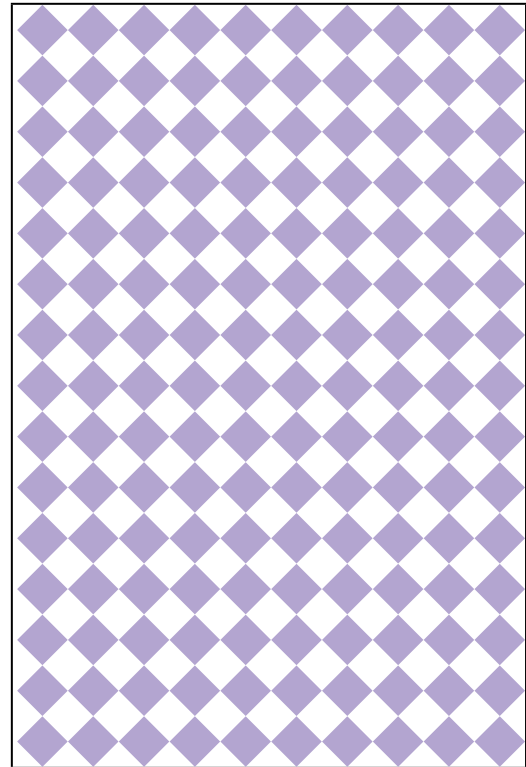


עמ' 145 , שאלה (5)

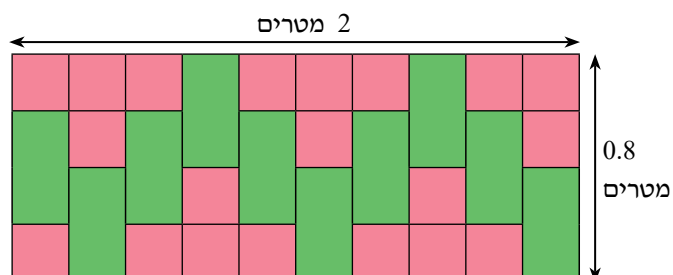
עודד סרטט כך :



רינה סרטטה כך :



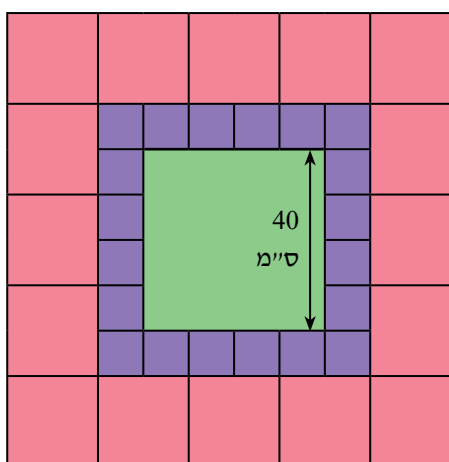
עמ' 146 , שאלה (6)



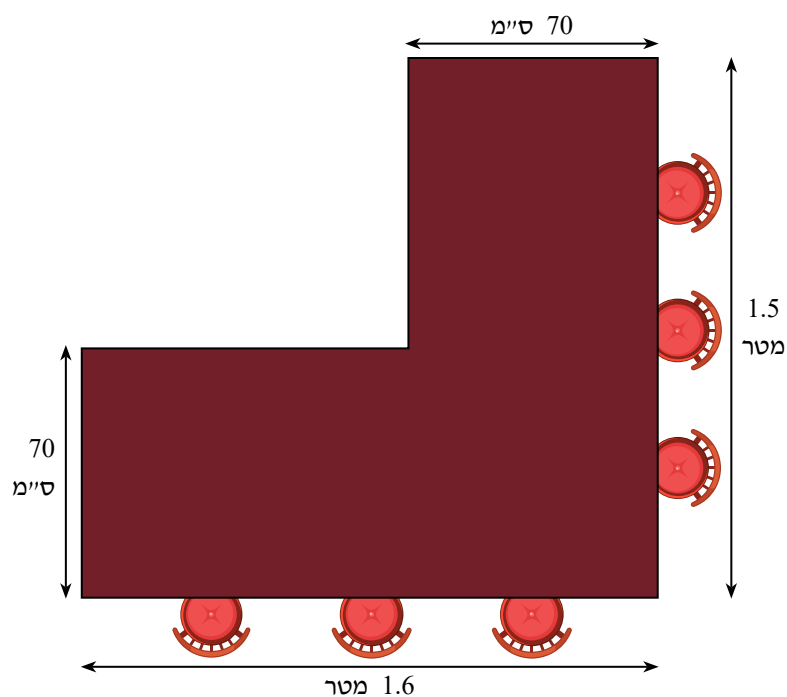
עמ' 146 , שאלה (7)



עמ' 147 , שאלה (9)



עמ' 148 , שאלה (10)



יחידה 5 : הקשר בין היקף ובין שטח של צורה גאומטרית בהקשר אורייני

עמ' 154 , משימה

5	4	3	2	1	0	אורך צלע ריבוע (בס"מ)
						היקף ריבוע (בס"מ)
						שטח ריבוע (בסמ"ר)

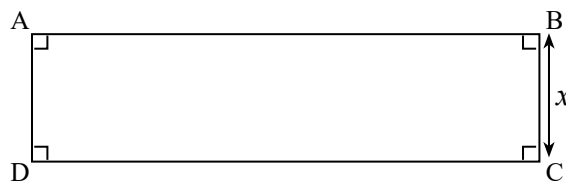
עמ' 156 , שאלה (2)



עמ' 157 , שאלה (3)



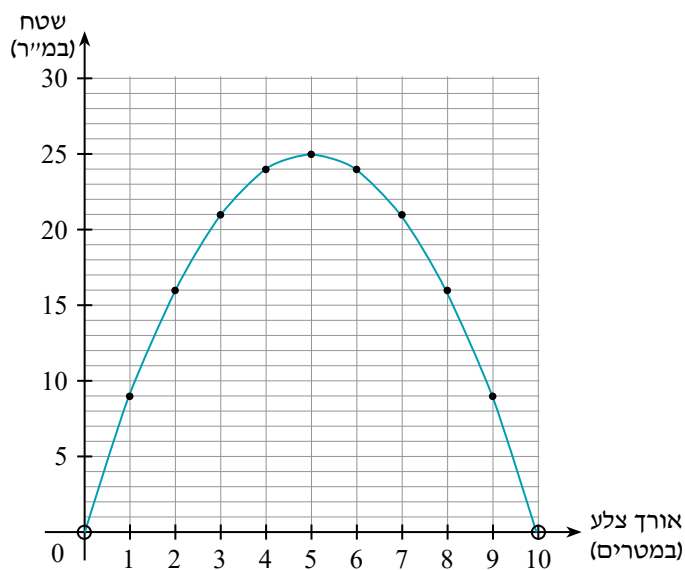
עמ' 157 , שאלה (4)



עמ' 157 , שאלה (5)

5	2.5	2	אורך צלע מלבן (במטרים)
			אורך הצלע הסמוכה (במטרים)
			היקף המלבן (במטרים)

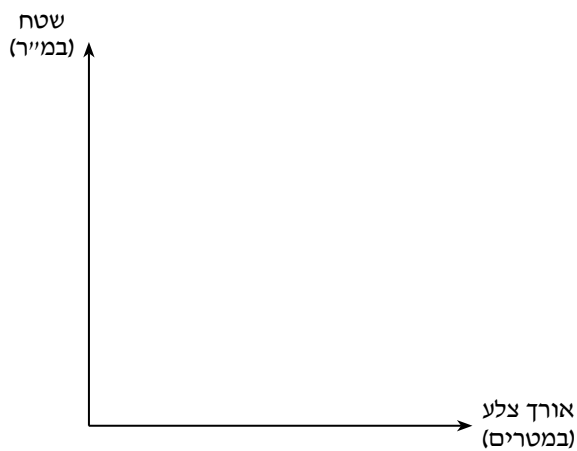
עמ' 158 , שאלה (6)



עמ' 158 , שאלה (7)

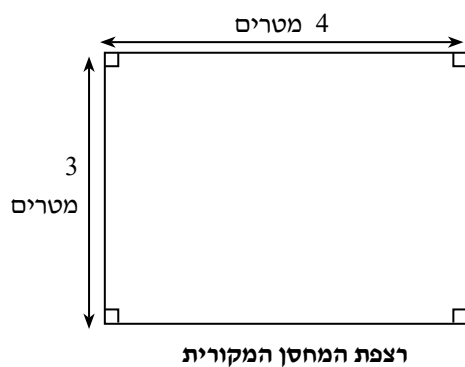
5	4	3	2	1	אורך הצלע האחת של הגינה המלבנית (במטרים)
					אורך הצלע האחרת של הגינה המלבנית (במטרים)
					שטח הגינה המלבנית (במ"ר)

(ב)

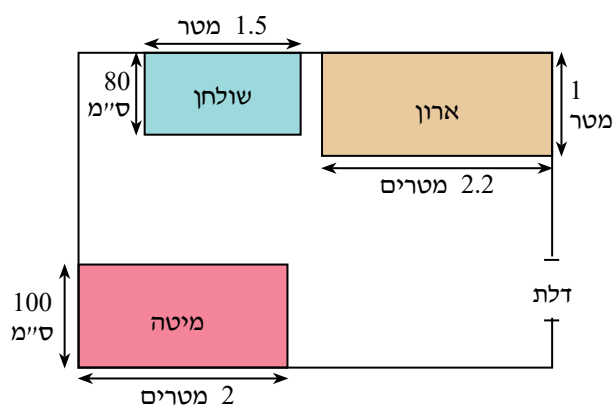


(ג)

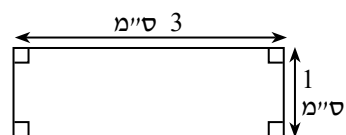
עמ' 161, משימה



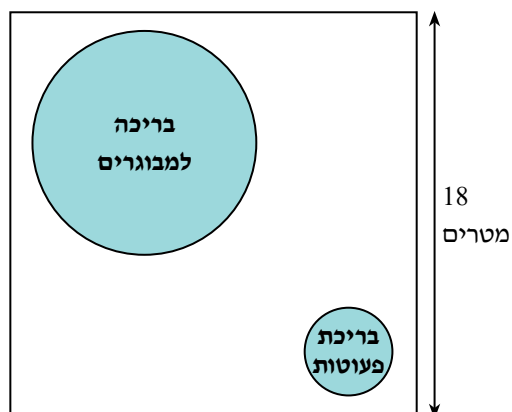
עמ' 163, שאלה שאלה (1)



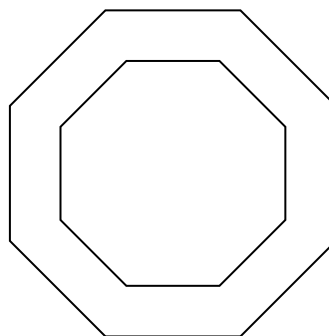
עמ' 163, שאלה שאלה (3)



עמ' 164, שאלה שאלה (4)



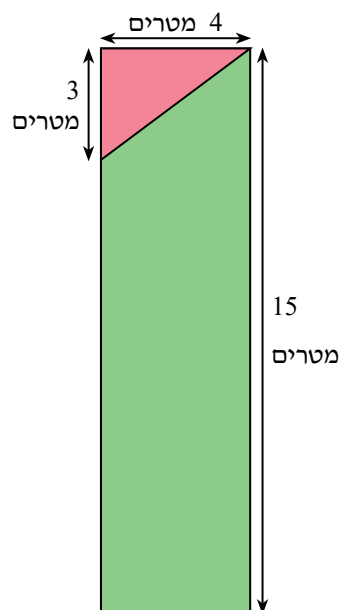
עמ' 164 , שאלה (5)



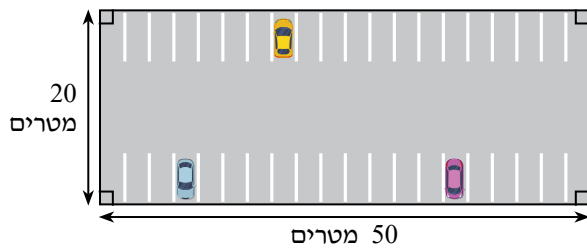
עמ' 164 , שאלה (6)



עמ' 165 , שאלה (7)



עמ' 165 , שאלה (8)

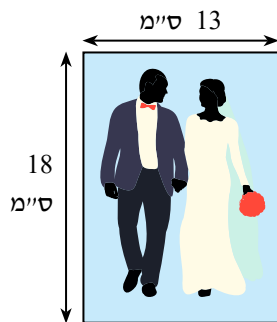


מגרש החניה המקורי

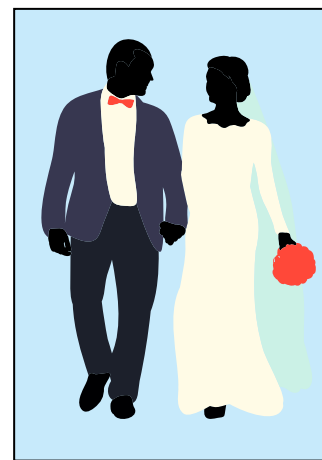


מגרש החניה אחרי השינוי

עמ' 166 , שאלה (9)

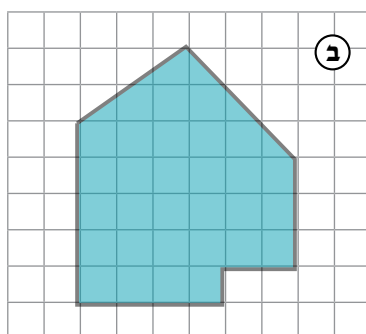


התמונה לפני ההגדלה

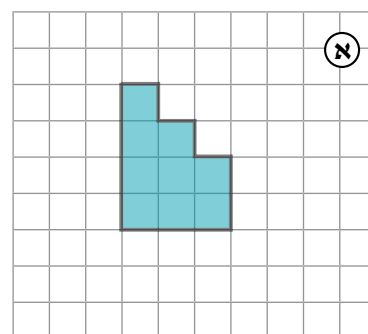


התמונה אחרי ההגדלה

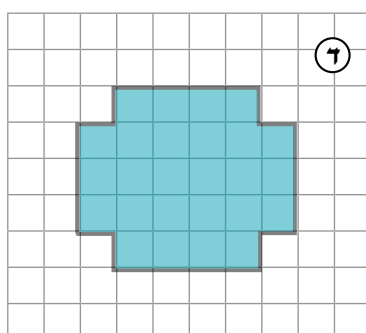
עמ' 168 , משימה



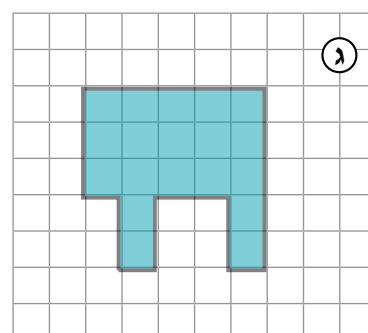
ב



א



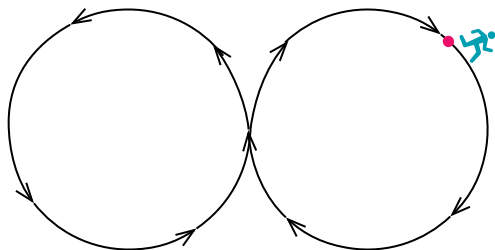
ד



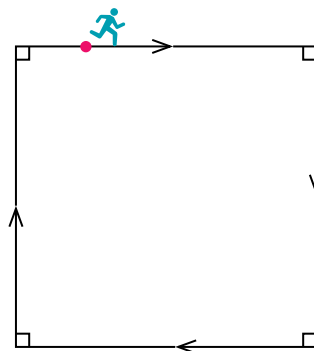
ג

עמ' 169 , שאלה (1)

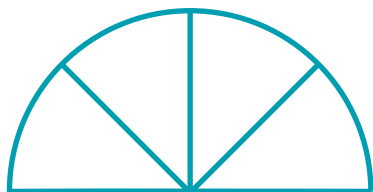
מסלול ב
(מסלול המורכב משני מעגלים זהים המשיקים זה לזה)



מסלול א
(מסלול ריבועי)

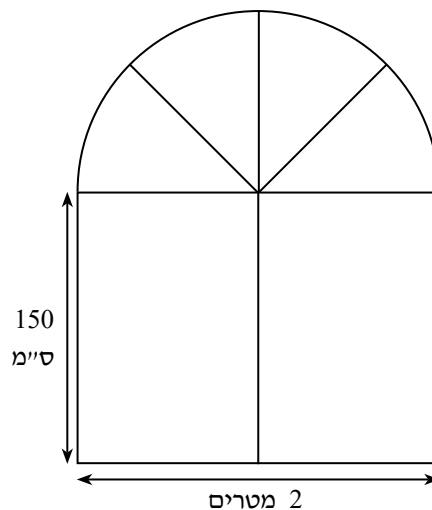


עמ' 170 , שאלה (3)

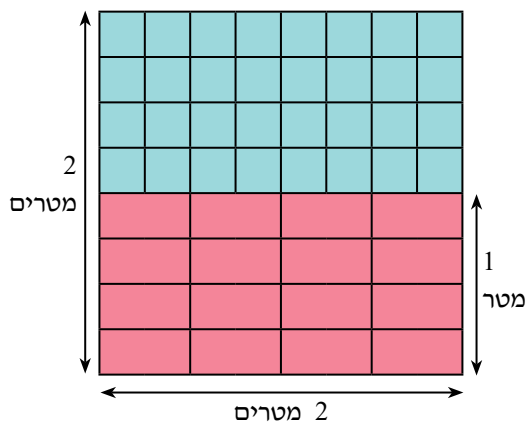


(ב)

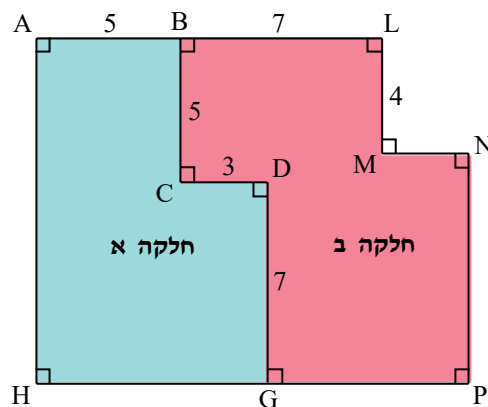
(א)



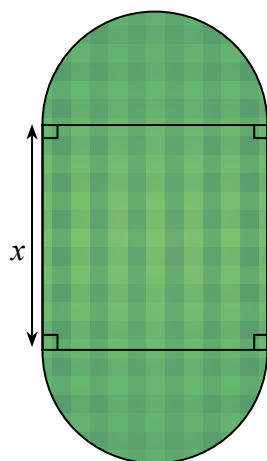
עמ' 171 , שאלה (4)



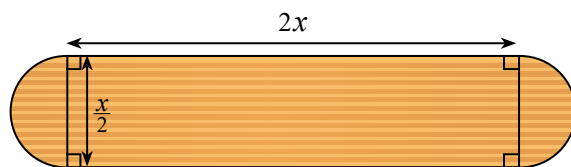
עמ' 171 , שאלה (5)



עמ' 172 , שאלה (6)

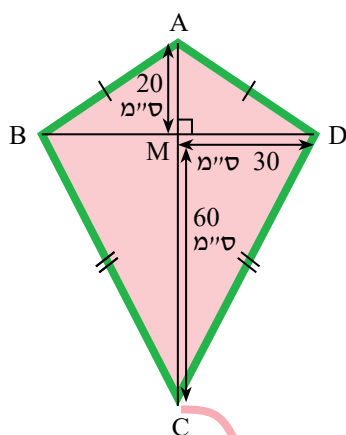


המגרש בבית ספר "רימון"

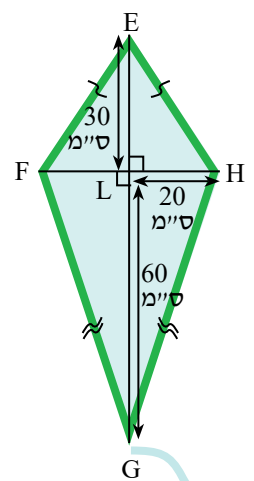


המגרש בבית ספר "דגון"

עמ' 172 , שאלה (7)

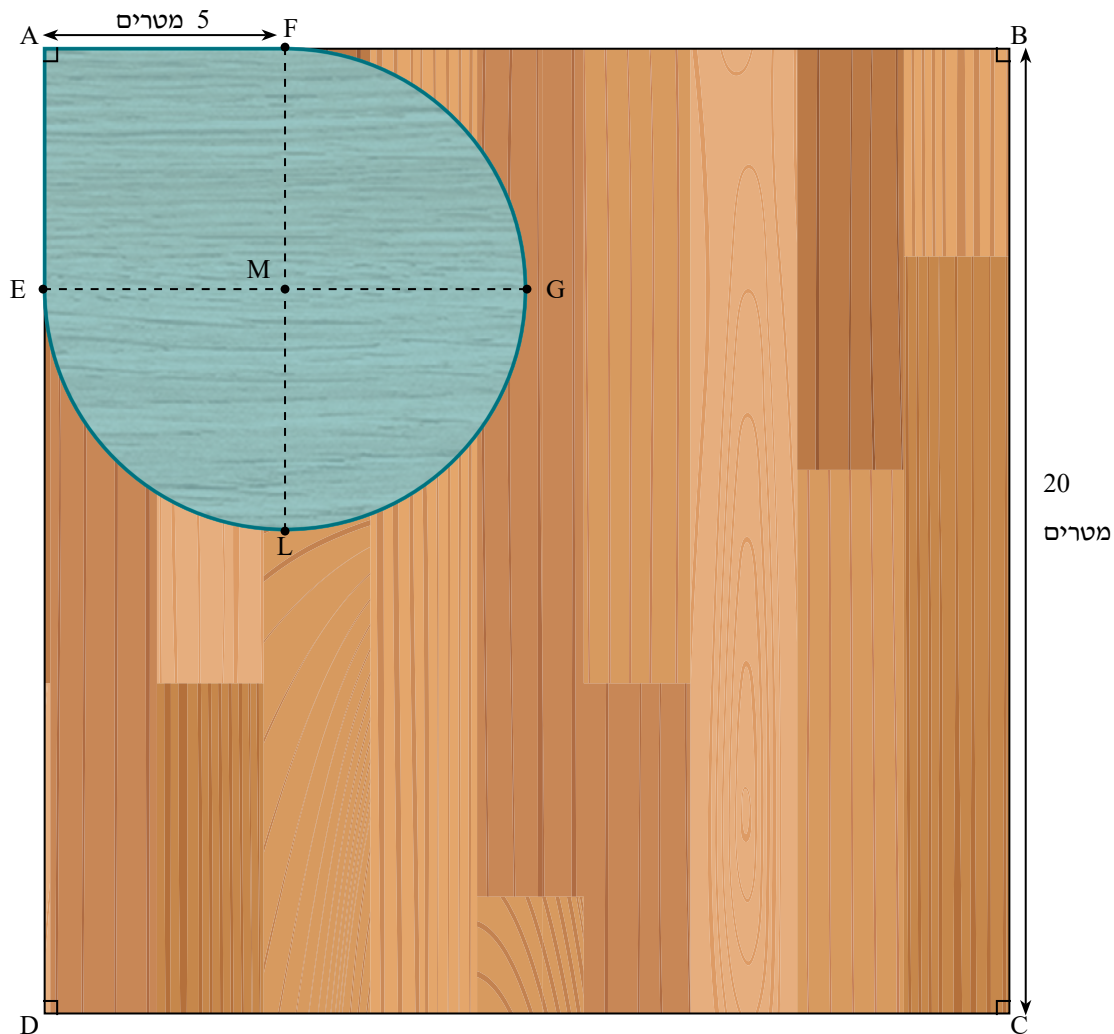


העפיפון של בועז

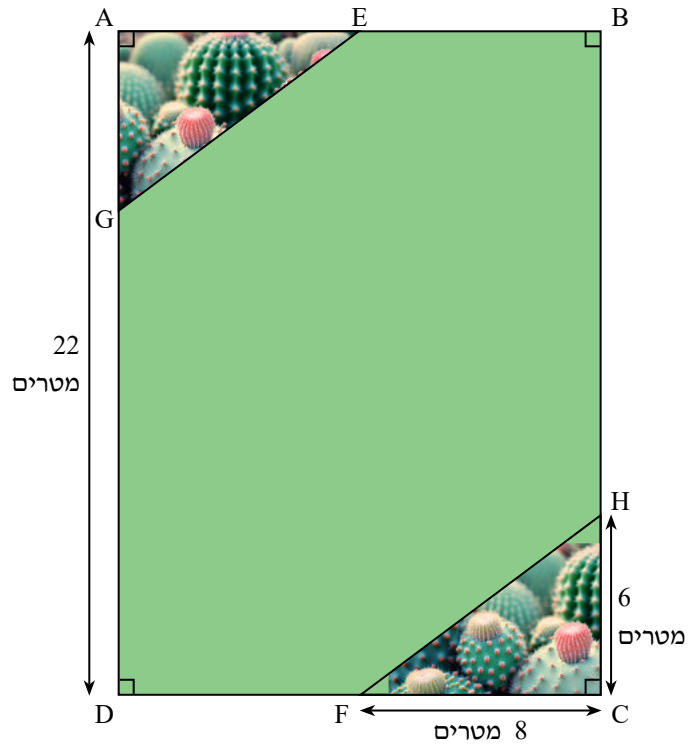


העפיפון של ערן

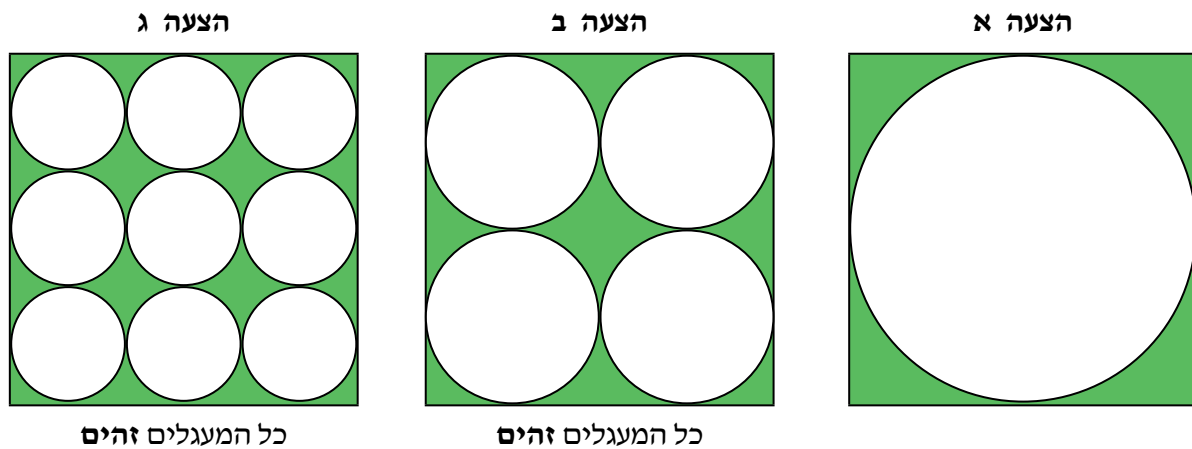
עמ' 173 , שאלה (8)



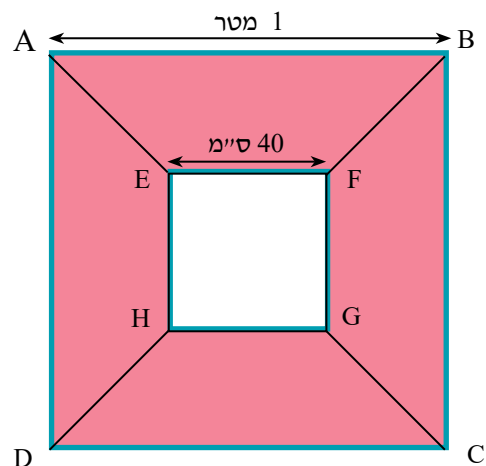
עמ' 174 , שאלה (9)



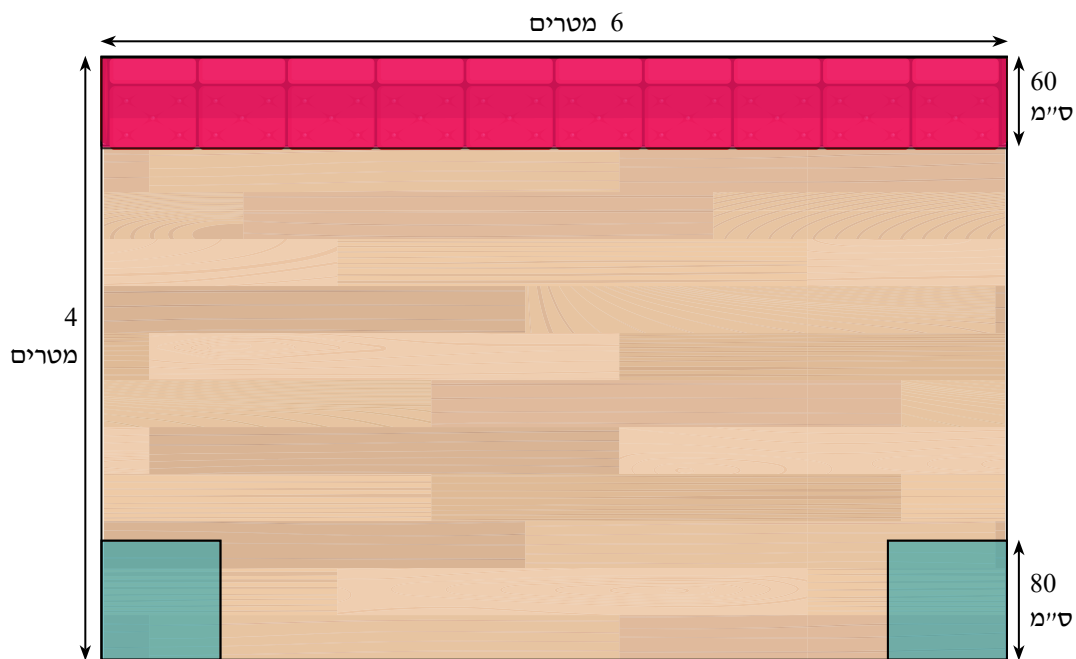
עמ' 175 , שאלה (10)



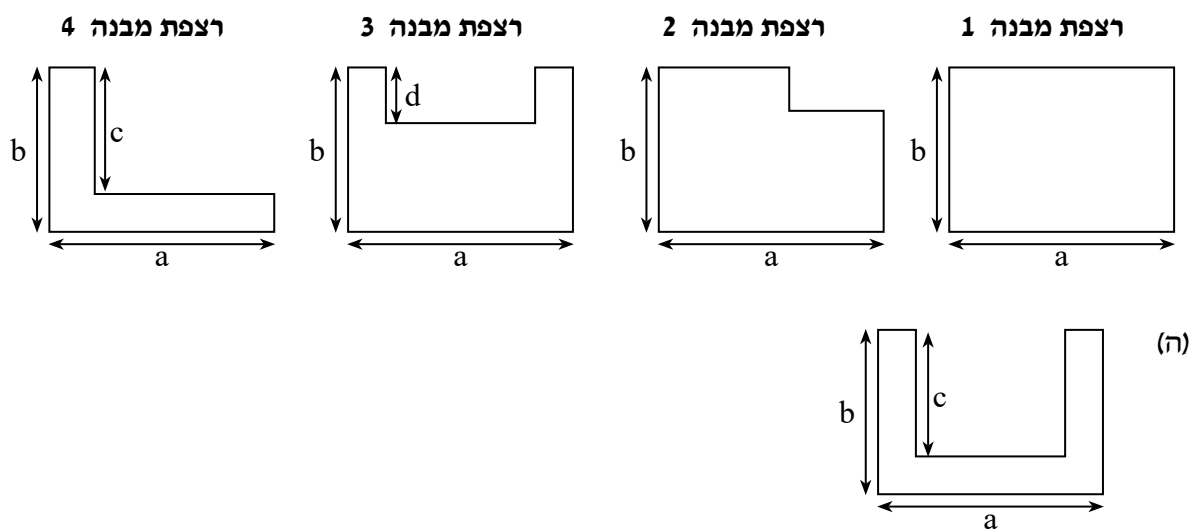
עמ' 176 , שאלה (11)



עמ' 177, שאלה (12)



עמ' 178, שאלה (13)



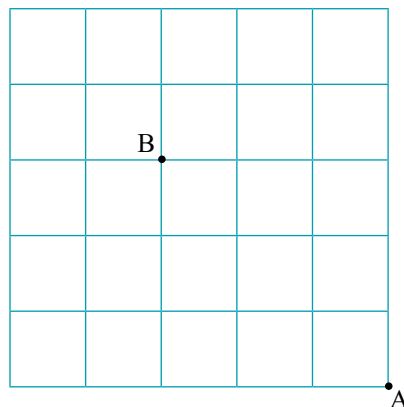
נספח א

עמ' 186 , שאלה (3)
(א)

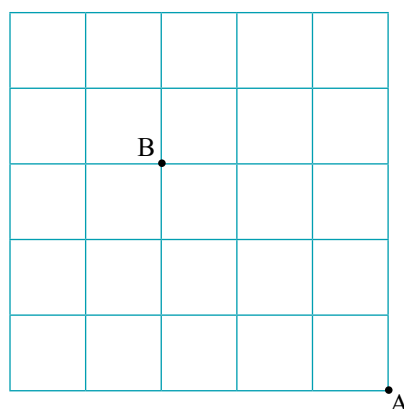
מספר המשולש	אורך צלע
①	$a = \sqrt{2}$
②	$b =$
③	$c =$
④	$d =$
⑤	$e =$

עמ' 195, שאלה (2)

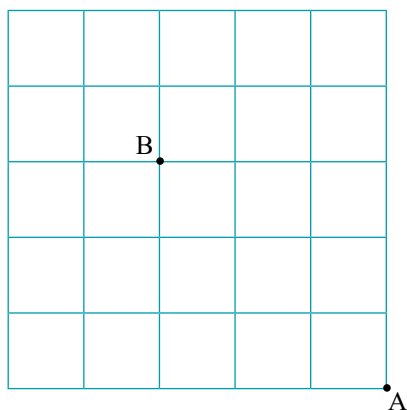
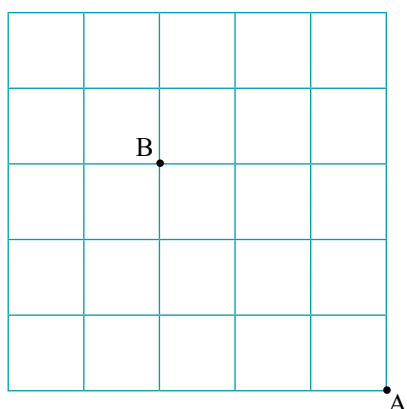
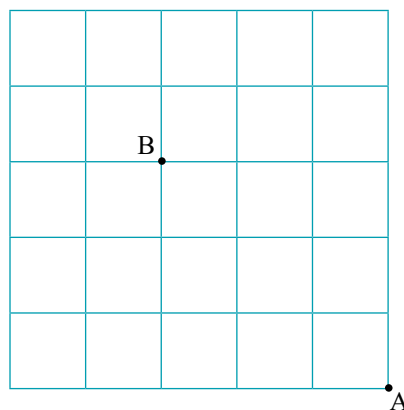
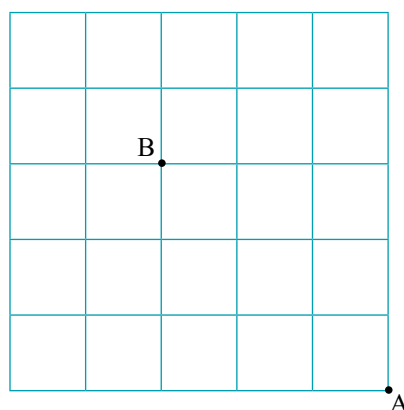
(א)



(ב)



(ג)



גבי יקואל משבצת

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ספרי לימוד וספרי מבחני מתכונת במתמטיקה

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