MrF

**GRADE 10 ESSENTIAL**
**UNIT D – 2D GEOMETRY**
**PERIMETER**

Name:_____
Date:_____

SHOW YOUR WORK!

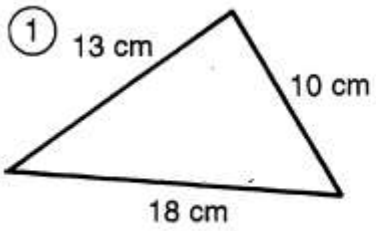
# Why Did the River Guide Carry a Rifle?

Find the **PERIMETER** of each figure. Cross out the box containing each correct answer. ***When you finish***, write the letters from the ***remaining*** boxes in the spaces in the empty boxes below.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| HE<br>48 in. | TO<br>43.4 m | ST<br>144 in. | SH<br>18.6 km | OT<br>18 ft | OP<br>21 m | FL<br>46.4 m | OO<br>156 in. | LS<br>37 ft | OA<br>160 mm | TT<br>32 ft |
| HE<br>180 cm | AT<br>35 ft | RA<br>184 mm | IN<br>21.8 km | TO<br>7.2 m | ~~SC~~<br>41 cm | PI<br>42 in. | PE<br>200 cm | NG<br>39 in. | DS<br>156 in. | ET<br>11.4 km |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

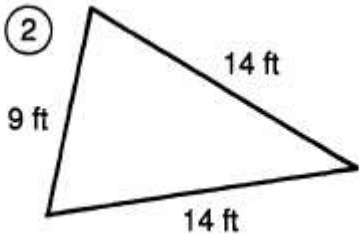
1



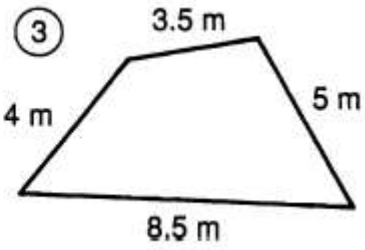

P = 13cm + 10cm + 18cm

P = 41 cm

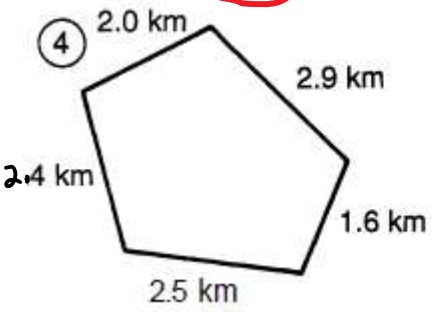
2



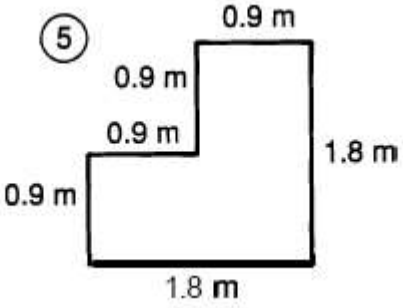

3



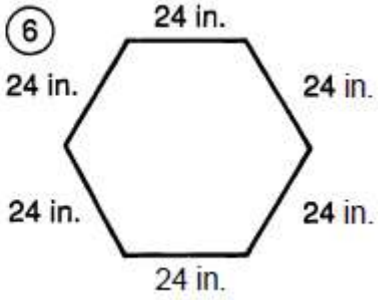

4




5




6



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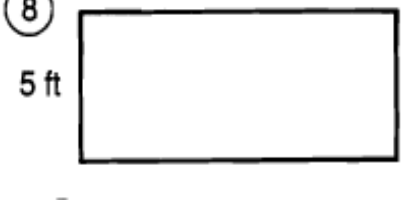
(7)

(8)




(9)

(10) $\ell = 48$ mm
$w = 32$ mm

(11) $\ell = 6.2$ km
$w = 4.7$ km

(12) $\ell = 12$ in.
$w = 12$ in.

(13) Find the perimeter of a sheet of typing paper $8\frac{1}{2}$ in. wide and **11** in. long.

(14) How many feet of border are needed to go around a square bulletin board that is 4.5 ft on each side?

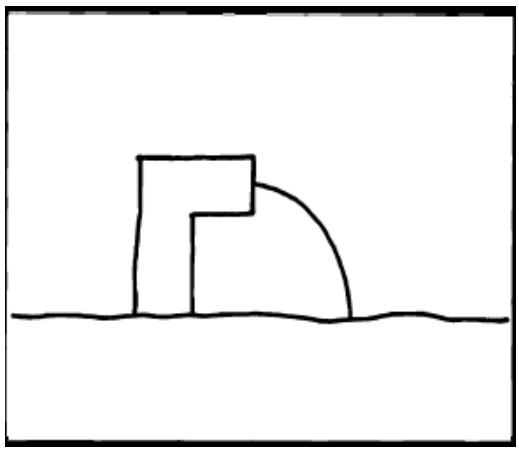
**SHOW YOUR WORK,** Even if simple and trivial! Good learning habit!

MrF

**GRADE 10 ESSENTIAL**
**UNIT D – 2D GEOMETRY**
**MORE PERIMETER**

Name:_____
Date: _____

# What Is The Title?



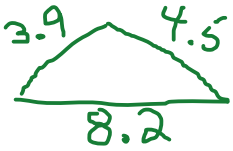
**TO FIND THE TITLE OF THIS PICTURE:**
*Do each exercise below and find your answer in the code. Each time the answer appears, write the letter of the exercise above it.*

CODED TITLE:

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 6.3 | 15.75 | 42 | 16.6 | 70 | 215 | 15 | 15.75 | 21 | 16.5 | 15.75 | 96 | 65.6 | 19 |
| | | O | | | | | | | | | | | | |
| 15 | 70 | 16.6 | 90 | 17.25 | 6.3 | 64 | 21 | 200 | 100 | 90 | 6.3 | 70 | 15.75 | 96 | 230 |

I. Find the perimeter of each figure.

*Doodle Area*




P = 3.9 + 4.5 + 8.2
P = 16.6

(O) Triangle with sides of 8.2 cm, 3.9 cm, and 4.5 cm — 16.6 cm

(G) Square with sides of 16.4 m — _____ m

(E) Parallelogram with sides of 40 cm and 75 cm — _____ cm

(A) Regular decagon with sides of 0.63 km — _____ km

(B) Rectangle with sides of 22 in. and 28 in. — _____ in.

(I) Equilateral triangle with sides of 5.25 ft — _____ ft

(H) Regular hexagon with sides of 2.75 in. — _____ in.

(U) Rhombus with sides of 50 ft — _____ ft

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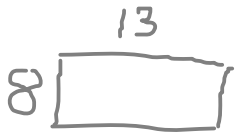
II. Solve.




(L) The width of a large American flag is 8 ft. Its length is 5 ft more than its width. Find its perimeter. _____ ft

(M) The perimeter of a square window is 360 cm. Find the length of one side.
_____ cm

(R) A pennant is shaped like an isosceles triangle. The short side is 14 in. long and is half the length of each longer side. Find the perimeter of the pennant.
_____ in.

(N) The width of a rectangular poster is 16 in. Its length is twice its width. Find its perimeter. _____ in.

(F) The perimeter of a triangle is 38 ft. One side is 14 ft long. Another side is 9 ft long. How long is the third side? _____ ft

(S) The longest side of a triangular sail is 9 m long. The second side is 1.5 m shorter than the longest side. The third side is half the length of the longest side. What is the perimeter? _____ m

Show your work!
Do your own diagrams!