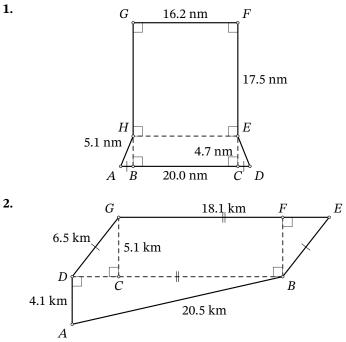
Area and Perimeter of Composite Shapes (C)

Name:

Date:

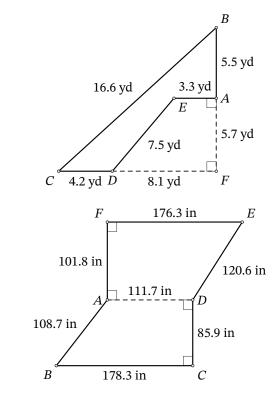
Score:

Calculate the area and perimeter of each figure. Round to the number of decimals in the measurements.



3.

4.



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Area and Perimeter of Composite Shapes (C) Answers

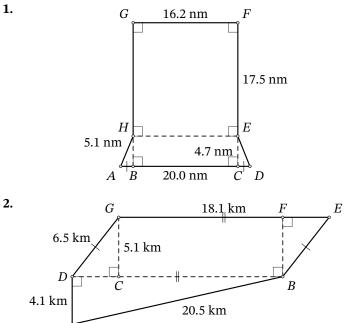
Name:

Date:

Score:

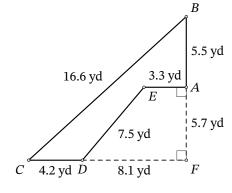
Calculate the area and perimeter of each figure. Round to the number of decimals in the measurements.

Area

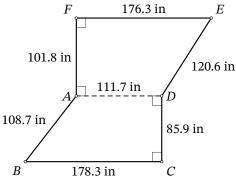


3.

Α



4.



(Area of *ADEH*) + (Area of *EFGH*) = $\left(\frac{20.0+16.2}{2} \times 4.7\right)$ + (17.5 × 16.2) = 85.07 + 283.5 = 368.6 nm²

Perimeter

= AD + DE + EF + FG + GH + HA= 20.0 + 5.1 + 17.5 + 16.2 + 17.5 + 5.1 = 81.4 nm

Area

(Area of *ABD*) + (Area of *BEGD*) = $\left(\frac{18.1 \times 4.1}{2}\right)$ + (18.1 × 5.1) = 37.105 + 92.31 = 129.4 km²

Perimeter

= AB + BE + EG + GD + DA= 20.5 + 6.5 + 18.1 + 6.5 + 4.1 = 55.7 km

Area

(Area of *BCF*) – (Area of *AEDF*) = $\left(\frac{12.3 \times 11.2}{2}\right) - \left(\frac{8.1+3.3}{2} \times 5.7\right)$ = 68.88 – 32.49 = 36.4 yd²

Perimeter

= AB + BC + CD + DE + EA= 5.5 + 16.6 + 4.2 + 7.5 + 3.3 = 37.1 yd

Area

$$(\text{Area of } ABCD) + (\text{Area of } ADEF) = \left(\frac{178.3+111.7}{2} \times 85.9\right) + \left(\frac{176.3+111.7}{2} \times 101.8\right) = 12,455.5 + 14,659.2 = 27,114.7 \text{ in}^2$$

Perimeter

= AB + BC + CD + DE + EF + FA= 108.7 + 178.3 + 85.9 + 120.6 + 176.3 + 101.8 = 771.6 in

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