1. 

a) $=18 \mathrm{~cm}$
b) $=20 \mathrm{~cm}$
c) $=22 \mathrm{~cm}$
2. The missing lengths $=7 \mathrm{~m}$ and $2 \mathrm{~m} . P=22 \mathrm{~cm}$
3. a) Missing length $=18 \mathrm{~cm} . P=64 \mathrm{~cm}$
b) Missing length $=11 \mathrm{~cm} . P=32 \mathrm{~cm}$
c) Missing lengths $=23 \mathrm{~cm}, 5 \mathrm{~cm}, 5 \mathrm{~cm}, 2 \mathrm{~cm} . P=72 \mathrm{~cm}$
d) Missing lengths $=10 \mathrm{~cm}, 20 \mathrm{~cm}, 30 \mathrm{~cm} . P=200 \mathrm{~cm}$ or 2 m
e) Missing lengths $=50 \mathrm{~cm}, 42 \mathrm{~cm}, 8 \mathrm{~cm} . P=268 \mathrm{~cm}$ or 2 m 68 cm
4. Check that the perimeter of the shapes that you've drawn are 24 cm
5. 36 cm

CHALLENGE: Milo did not calculate the missing length which is $9 \mathrm{~cm} . \mathrm{P}=40 \mathrm{~cm}$

