

### Shapes Menu Task:

Build as *few* shapes as possible to satisfy each constraint at least once.

Include diagrams that make your thinking visual.

|    |                         |    |                                |
|----|-------------------------|----|--------------------------------|
| A. | Has three angles        | B. | Has four sides                 |
| C. | Has a perimeter of 20cm | D. | Is a polygon                   |
| E. | Has all equal sides     | F. | Has an area of $16\text{cm}^2$ |

*Which constraints pair nicely?*

*Which constraints cannot be paired?*

*Is it possible to solve in 2, 3, or 4 shapes?*

Describe how and why you built each shape.

Be sure to identify which shape satisfy which constraints.

