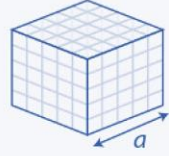
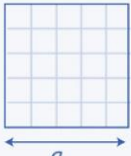
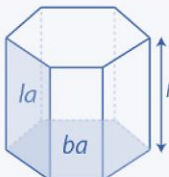
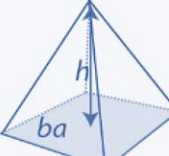
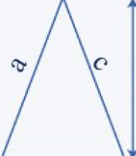
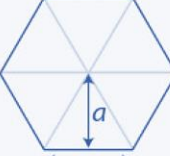
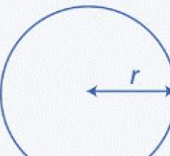
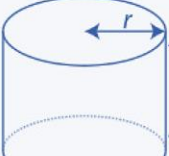
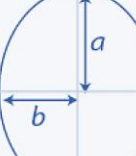


## محاسبه محیط، مساحت و حجم اشکال هندسی

| اشکال سه بعدی                                                                                          | محیط                  | مساحت                                                                        | اشکال دو بعدی                                                                                        | حجم                                                         |
|--------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| مکعب<br>            | $\epsilon \times a$   | $a^2$                                                                        | مربع<br>            | $a^3$                                                       |
| مستطیل<br>          | $(w+h) \times 2$      | $w \times h$                                                                 | مستطیل<br>          | $ba \times h$<br><small>مساحت قاعده <math>ba</math></small> |
| مخروط<br>          | $a \times b \times c$ | $\frac{b \times h}{2}$                                                       | مثلث<br>           | $ba \times h \times \frac{1}{3}$                            |
| چند وجهی منظم<br> | $s \times n$          | $\frac{n \times s \times a}{2}$<br><small><math>n</math> تعداد اضلاع</small> | چند ضلعی منظم<br> | -                                                           |
| کره<br>           | $2\pi r$              | $\pi r^2$                                                                    | دایره<br>         | $\frac{4}{3} \times \pi r^3$                                |
| استوانه<br>       | -                     | $\pi \times a \times b$                                                      | بیضی<br>          | $\pi r^2 \times h$                                          |