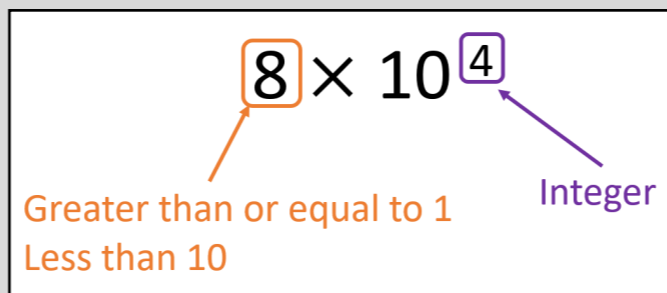


(1) Key Terms

Integer	A positive or negative whole number. Zero is an integer.
Transversal	A line that crosses at least two other lines.
Corresponding Angles	A pair of angles in matching positions compared with a transversal.
Alternate Angles	A pair of angles between a pair of parallel lines on opposite sides of a transversal.
Co-interior Angles	A pair of angles between parallel lines on the same side of the transversal.

(2) Display a number in Standard Form

A number written in standard form is written $a \times 10^n$



Are the numbers written in correct standard form?

2.5×10^8 ✓ 0.4×10^6 ✗

(3) Convert Large Numbers to/from Standard Form

Write 64000 in standard form

6.4×10000
 $= 6.4 \times 10^4$

Be careful to write the correct number of zeros.

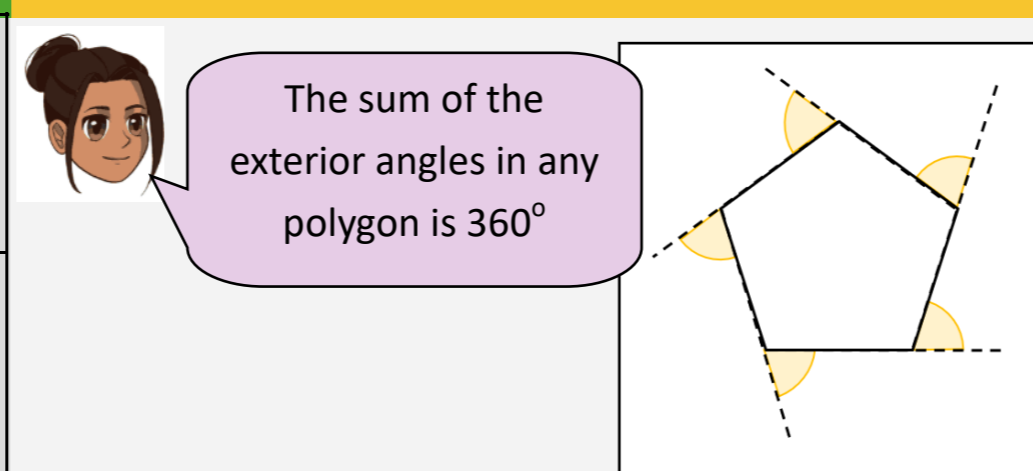
Write 3.52×10^5 as an ordinary number

3.52×100000
 $= 352000$

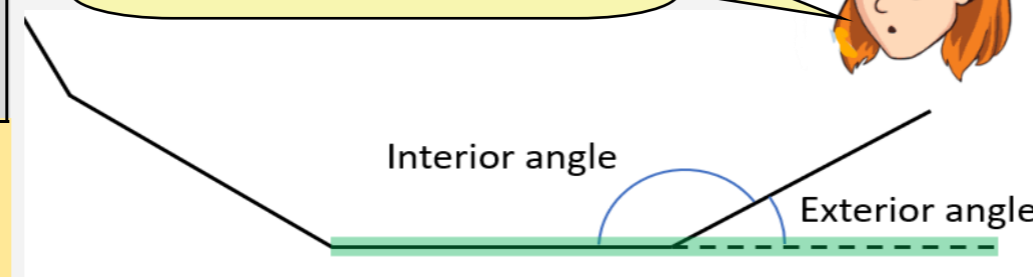
(4) Angles in Parallel Lines

Corresponding Angles are equal $a = b$	
Alternate Angles are equal $c = d$	
Co-interior Angles sum to 180° $x + y = 180^\circ$	

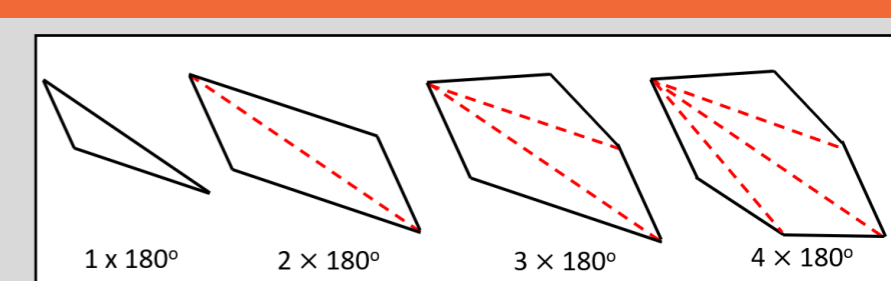
(5) Exterior Angles in a Polygon



The sum of an exterior angle and an interior angle is 180°



(6) Interior Angles in a Polygon



Shape	Sides	Angle Sum
triangle	3	$1 \times 180^\circ$ 180°
quadrilateral	4	$2 \times 180^\circ$ 360°
pentagon	5	$3 \times 180^\circ$ 540°
hexagon	6	$4 \times 180^\circ$ 720°
n-agon	n	$(n - 2) \times 180^\circ$