1. To explain ideas to other persons

2. Aid in communication

3. Shows part assembly and design

EXPLODED PICTORIAL

PURPOSE:

SHIPS BETWEEN SURFACES

AND GEOMETRIC RELATION

CONVEX SIZE, SHAPE

SINGLE VIEW

OF AN OBJECT IN A

SINGLE VIEW

Pictorials

ALL THREE DIMENSIONS

ALLOY BLADE

STEEL SHAFT

PLASTIC HANDLE

HOLD OTHER END
THREE AXES POSITIONS

1. NORMAL
2. REVERSED
3. HORIZONTAL

1. NORMAL
2. REVERSED
3. HORIZONTAL

2. REVERSED

3. HORIZONTAL
3. Isometric
2. Dimetric
1. Trimetric

3 types of axonometric
1. There are no true isometric angles.
2. True length distances can be measured.
3. Angles must be located along a principal edge that are not common lines.

By using end points along the axes, lengths can be measured.
1. **Start with horizontal and vertical line.**

2. **Estimate 30° angles.**

3. **Add horizontal edges of the cube.**

4. **Keep lines parallel.**

5. **Circles become ellipses.**

6. **Isometric construction of a cube.**