Pre-Test Questions – Dimensioning

1. What is the overriding principle of dimensioning?

2. Can we use circle centerlines for dimensioning?

3. What symbol indicates a diameter?

4. True/False Statements
   a. Dimension features once and only once
   b. Dimension the most important feature
   c. Dimension the most descriptive view
   d. Dimension size but do not specify the process
   e. Do not dimension inside the part
   f. Group dimension when possible
   g. Avoid crossing dimension lines
   h. Leave a gap between the part and the extension line
   i. Leader lines always go through the center
   j. Dimension numbers should always read from the bottom
   k. Dimension multiple stacked cylinders on the side view
   l. If possible, put dimensions between views
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T/F Questions – Dimensioning

1. The overriding principle of dimensioning is:
   a. No double dimensions
   b. Clarity
   c. Use only upper case letters
   d. None of the above

2. True/False Statements
   a. Dimension features once and only once
   b. Dimension the most important feature
   c. Dimension the most descriptive view
   d. Dimension size but do not specify the process
   e. Do not dimension inside the part
   f. Group dimension when possible
   g. Avoid crossing dimension lines
   h. Leave a gap between the part and the extension line
   i. Leader lines always go through the center
   j. Dimension numbers should always read from the bottom
   k. Dimension multiple stacked cylinders on the side view
   l. If possible, put dimensions between views
   m. We can use circle centerlines for dimensioning
   n. The symbol $\phi$ indicates a diameter
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Open1 Questions – Dimensioning

1. What is the overriding principle of dimensioning?

2. What symbol indicates a diameter?

3. Explain and hand sketch examples of the following rules
   a. Dimension features once and only once
   b. Dimension the most important feature
f. Group related dimensions when possible

g. Avoid crossing dimension lines

h. Leave a gap between the part and the extension line
1. If possible, put dimensions between views

m. We can use circle centerlines for dimensioning
Open2 Questions – Dimensioning

1. What is the overriding principle of dimensioning?

2. What symbol indicates a diameter?

3. Which dimensioning rule is broken in 1?

4. Which dimensioning rule is broken in 2?

5. Which dimensioning rule is broken in 3?

6. Which dimensioning rule is broken in 4?

7. Which dimensioning rule is broken in 5?

8. Which dimensioning rule is broken in 6?

9. Which dimensioning rule is broken in 7?

10. Which dimensioning rule is broken in 8?
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**Pre-Test Questions – Section Views**

1. What is a section view?

2. What is a full section view? Sketch an example.

3. What is a half section view? Sketch an example.

4. What is a revolved section view? Sketch an example.

5. What is a broken-out section view? Sketch an example.

6. What are offset cutting planes? Sketch an example.

7. What are removed sections? When do you use them? Sketch an example.

8. What is an assembly section?
Post-Test Questions – Section Views

1. What is a section view?

2. What is a full section view? Sketch an example.

3. What is a half section view? Sketch an example.

4. What is a revolved section view? Sketch an example.

5. What is a broken-out section view? Sketch an example.

6. What are offset cutting planes? Sketch an example.

7. What are removed sections? When do you use them? Sketch an example.

8. What is an assembly section?
T/F Questions – Section Views

1. A section is:
   a. Used to show the interior of a part
   b. A possible solution when hidden lines do not show enough detail
   c. Created by cutting the part with an imaginary plane
   d. All the above are true

2. Figure 1 is a(n):
   a. Full section
   b. Half section
   c. Quarter section
   d. Partial section
   e. Revolved section
   f. Removed section
   g. Broken-out section
   h. Offset cutting plane
   i. Assembly section

3. Figure 2 is a(n):
   a. Full section
   b. Half section
   c. Quarter section
   d. Partial section
   e. Revolved section
   f. Removed section
   g. Broken-out section
   h. Offset cutting plane
   i. Assembly section

4. Figure 3 is a(n):
   a. Full section
   b. Half section
   c. Quarter section
   d. Partial section
   e. Revolved section
   f. Removed section
   g. Broken-out section
   h. Offset cutting plane
   i. Assembly section
Open1 Questions – Section Views

1. What is a section view?

2. Develop a definition for the following. Explain how and/or where they are used and sketch an example.
   a. Full section
   b. Half section
   c. Revolved section
d. Removed section

e. Broken-out section

f. Offset cutting plane

g. Assembly section
Open2 Questions – Section Views

1. What is a section view?

2. Figure 1 is a(n) ________________

3. Figure 2 is a(n) ________________

4. Figure 3 is a(n) ________________

5. Figure 4 is a(n) ________________

6. Figure 5 is a(n) ________________

7. Figure 6 is a(n) ________________

8. Figure 7 is a(n) ________________