DEFINITION: Problem Solving is the amount and nature of the thinking required in the job in the form of analyzing, reasoning, evaluating, creating, using judgment, forming hypotheses, drawing inferences, arriving at conclusions, and the like.

Problem Solving has two dimensions:

STEP VALUES

175

152

- 25 -

22 19

16

14

10 9

STEPS

BELOW

100%

10 -

11 -

12 — 13 —

14 —

15 — 16 —

- The environment in which the thinking takes place the extent to which assistance or guidance is available from others or from past practice and precedents.
- •• The challenge of the thinking to be done the novelty and complexity of the thinking required.

N.B.: The evaluation of Problem Solving should be made without reference to the job's freedom to make decisions or take action; these are measured on the Accountability Chart.



MEASURING PROBLEM SOLVING: All thinking requires the presence of knowledge in the form of facts, principles, procedures, standards, concepts, etc. This is the raw material to which the thinking processes are applied.

Problem Solving measures the degree to which thinking processes must be applied to the required knowledge in order to obtain the results expected of the job.

To the extent that thinking is limited or reduced by job demands or structure, covered by precedent, simplified by definition, or assisted by others, Problem Solving is diminished and results are obtained by the automatic application of skills rather than by the application of the thinking processes to knowledge.

			•• THINKING CHALLENGE						
	The thinking environment is guided and circumscribed by:	1. Identical situations requiring resolution by simple choice of learned things.	resolution	2. ituations requiring by discriminating learned things.		3. lations requiring utions within area ngs.	4. Variable situations requiring analytical, interpretative evaluative, and/or constructive thinking.	e, I finding situations requiring the	- o. S
THINKING ENVIRONMENT	A Thinking within very detailed and precisely defined rules and instructions AND/OR with continually present assistance.	10% 12%	14%	16%	19%	22%	25% 29%	33% 38%	A
	B Thinking within detailed standard practices and instructions AND/OR with immediately available assistance or examples.	12% 14%	16%	19%	22%	25%	29% 33%	38% 43%	В
	C Thinking within well-defined, somewhat diversified procedures; many precedents covering most situations AND/OR readily available assistance.	14% 16%	19%	22%	25%	29%	33% 38%	43% 50%	С
	D Thinking within clear but substantially diversified procedures; precedents covering many situations AND/OR access to assistance.	16% 19%	22%	25%	29%	33%	38%	50% 57%	D
		19% 22%	25%	29%	33%	38%	43% 50%	57% 66%	E
	F Thinking within a general frame of reference toward functional objectives, in situations with some nebulous, intangible, or unstructured aspects.	22% 25%	29%	33%	38%	43%	50% 57%	66% 76%	F
	G Thinking within concepts, principles, and broad guidelines towards the organization's objectives or functional goals; many nebulous, intangible, or unstructured aspects to the environment.	25% 29%	33%	38%	43%	50%	57% 66%	76%	G
	H Thinking within business philosophy AND/OR natural laws AND/OR principles governing human affairs.	29 % 33%	38%	43%	50%	57%	76%	87%	н