

Receiving Information from a Distance

42	52	54	56	60	61		44	53	54	60	60	70	76	53	43
60	43	53	55	62	81	100	85	98	85	92	62	61	54	58	59
61	61	44	58	92	130	140	141	143	145	142	96	61	62	55	57
62	45	42	90	128	129	131	141	142	144	149	148	98	63	63	56
46	42	87	127	129	32	36	132	142	38	39	148	130	95	65	64
80	87	127	125	125	35		133	133	29	28	129	131	132	100	63
80	98	126	121	121	122	135	137	135	134	128	134	131	132	99	63
78	99	121	121	130	136	136	136	138	142	135	136	135	136	95	62
78	100	131	132	140	138	138	151	152	139	142	141	137	137		62
76	100	136	141	36	140	141	140	150	152	140	26	157	138	87	65
76	74	87	142	140	34	141	140	153		30	153	154	90	66	66
70	75	72	88	142	143	32	32		28	134	125	100	67	76	70
70	76	74	71	87	156	152	150	155	136	135	110	68	71	75	75
71	75		73	73	87	115	92	90	120	120	69	70	71	75	73

Color Legend:

Information that is sent back from space represents different types of data. For this activity, you will think about the coding of the picture. The breakdown of the pieces of information sent back in the color legend below is provided for you. But you need to choose the different colors you will use to complete the image.

There are some places where the data was degraded or wasn't sent or received. You will need to make a decision about what color to fill in the square where there is missing information.

Information	<40	40-80	81-120	121-160
Color				

How did you make your decision to color in the squares with the missing information?

42	52	54	56	60	61		44	53	54	60	60	70	76	53	43
60	43	53	55	62	81	100	85	98	85	92	62	61	54	58	59
61	61	44	58	92	130	140	141	143	145	142	96	61	62	55	57
62	45	42	90	128	129	131	141	142	144	149	148	98	63	63	56
46	42	87	127	129	32	36	132	142	38	39	148	130	95	65	64
80	87	127	125	125	35		133	133	29	28	129	131	132	100	63
80	98	126	121	121	122	135	137	135	134	128	134	131	132	99	63
78	99	121	121	130	136	136	136	138	142	135	136	135	136	95	62
78	100	131	132	140	138	138	151	152	139	142	141	137	137		62
76	100	136	141	36	140	141	140	150	152	140	26	157	138	87	65
76	74	87	142	140	34	141	140	153		30	153	154	90	66	66
70	75	72	88	142	143	32	32		28	134	125	100	67	76	70
70	76	74	71	87	156	152	150	155	136	135	110	68	71	75	75
71	75		73	73	87	115	92	90	120	120	69	70	71	75	73

Information	<40	40-80	81-120	121-160
Color				

Student answers may vary bases on the color scheme they selected.