Data Management

Grade 8

Data Management lends itself better to projects that take place over several days. It is best to meld instruction and assessment through these projects. This is more meaningful for students and for many makes the projects more valid. Understanding can be assessed through oral discussions, tests and quizzes. Performance stations can be used for probability activities.

Teachers can create and adapt stations for probability as need and opportunities arise. Similar stations can be created by using activities from textbooks and other resources. Binders that accompany manipulatives are an excellent source of ready-made activities.

A few good resources are:

Name	Distributor	Where to Order	Order #	Cost
Overhead Dice (set of 2)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-201-87205-6	\$6.95
Probability Model Masters Dale Seymour	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-86651-537-2	\$14.70
Bases for Transparent Spinners (These are included in the above listing)	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-86651-430-9	\$10.50
Probability Job cards 6-9 Creative Publications	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-1-56107-103-X	\$23.10
Paper Towel Testing GEMS - Lawrence Hall of Science	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-912511-65-6	\$11.85
Problem Solving with Polyhedra Dice	Addison-Wesley Publishers	Addison-Wesley Publishers	SC5-0-201-87225-4	\$12.55
Probability Activities for Problem Solving and Rein	Exclusive forcement	Exclusive	4251	\$24.95

Many-sided dice are available in gaming stores and as a kit or individually from the Exclusive catalogue, (1-800-563-1166 for a catalogue) and from Addison-Wesley (1-800-387-8028).

Getting ready . . .

Station	#1	# 6 Students could experiment to see what happens when they place the toothpicks further apart, use more or less than 100 toothpicks or change the height of the toss.
Station	#2	Use pennies or commercially purchased plastic coins.
Station	#3	Used playing cards are available free of charge at most casinos.
Station	#4	Dice are available at bargain stores or from Addison-Wesley and Exclusive. You can purchase many-sided dice from these two companies or from gaming stores.