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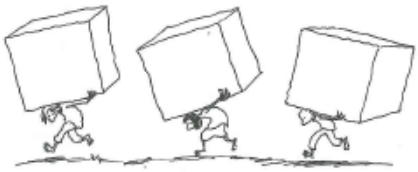

Money Matters

Jackson has $1.05 in his moneybox.

He has an equal number of 20 cent, 10 cent and 5 cent coins.

How many coins does Jackson have in his moneybox?

Use the table below to work out the answer.

	20 cents	10 cents	5 cents	Total money	Total number of coins
Number of coins	1	1	1		
Number of coins					
Number of coins					
Number of coins					

Lesson Plan 13

Money Matters

Strategies

- Locate key words
- Look for a pattern
- Create a table or chart

Background

This activity utilises students' knowledge of addition and the coins in our money system.

Resources:

- one example of each Australian coin

Orientation

Introduce students to the coins in the Australian currency system. Show them how different combinations of coins can make the same amount, for example, $1 can be made with a one dollar coin, two fifty-cent coins, five twenty-cent coins, and so on. Ask students which coins would be required to make up 30 cents in the simplest way possible. How about 70 cents? Help students to become familiar with the values of different coins.

Guided Discovery with BLM 13

Read the question with the class, then help students to locate the key words: $1.05. Equal numbers of 20, 10 and 5 cent coins.

At this point in the lesson ask students for a suggestion that fulfils the rules and structure of the question. One of each coin is an excellent start. The table on the sheet should then be filled in, in the following manner:

	20 cents	10 cents	5 cents	Total of money	Total number of coins
Number of coins	1	1	1	35 cents	3

Call for another suggestion. Keep filling in the table until the correct solution is found.

Help students to identify a pattern in the table. How much money does the total increase by whenever a new coin is added to the 20, 10 and 5 cent list? If the answer is 35 cents, could we have counted in lots of 35 cents to find the answer faster?

Further Exploration

Task Card 13

Read the question with the class: 'Jackson has five coins in his pocket. Each coin is different. Together, the coins add up to $3.75. What coins are in Jackson's pocket?'

Help students to locate the key words: Five different coins adding up to $3.75.

Ask the students to list all of the coins in our money system. Can we say that any of these coins must be in Jackson's pocket? Why must there be a 5 cent coin? Why must there be a $2 and a $1 coin?

Encourage students to assume a solution, to add up the total and to tinker with the amount until the solution is found.