LEVELS 3/4 ACTIVITY - WHERE ARE THE WORMS?

ACTIVITY SUMMARY

Students use their knowledge of number operations to create and compare groups of worms in worm farms. Students apply reasoning and form generalisations, leading to algebraic thinking.

Students who are having difficulty may benefit from being asked which worm farm is mentioned in each question. How could this help?

Students who require extension, may start to use algebra to generalise the problem. Which farm could they label x? What would they label the other farms?

RESOURCES

Student worksheets

AUSTRALIAN CURRICULUM LINKS

LEARNING AREA	Content Descriptor **ELABORATION**
PROFICIENCIES	**Problem-solving** includes formulating, modelling and recording authentic situations involving operations **Reasoning** includes using generalising from number properties and results of calculations
NUMBER AND ALGEBRA - NUMBER AND PLACE VALUE	ACMNA057 Writing simple word problems in numerical form and vice versa ACSSU017 Using a calculator to check the solution and reasonableness of the answer
NUMBER AND ALGEBRA - PATTERNS AND ALGEBRA	ACELY1656 Representing a word problem as a number sentence

Name :.....

Where are the worms?

Wendy has 26 worms in her four worm farms, but she can't remember how many she has in each.

The first worm farm has twice as many worms as the third worm farm.

The second worm farm has 2 worms less than the third.

The fourth farm has 8 more worms than the third worm farm.

How many worms are in each farm?