

Make 24

Purpose

To construct equivalent number sentences involving the four operations

Outcomes

NS3.3 Selects and applies appropriate strategies for multiplication and division

MA3-6NA

PAS3.1b Constructs, verifies and completes number sentences involving the four operations with a variety of numbers

MA3-8NA

Framework reference

To move students beyond M&D level 5

Teaching points

This activity can also be used as a *short, focused and frequent* activity to discuss the concept of equality and how this can be recorded.

Activity outline

Write the expression 3×8 on the board. Have the class identify the answer to this expression. Have the students write expressions involving the addition of two numbers that are equivalent to 3×8 . Select students to share their answers, explain why they are equivalent to 3×8 and record them as equalities.

Repeat the activity with the students making 24 in the following ways:

- Add three numbers.
- Subtract one number from another.
- Multiply two numbers.
- Divide one number by another number.
- Add two numbers and then subtract another number.
- Multiply two numbers and then add another number.
- Multiply two numbers and then subtract another number.

Record all of these different expressions as equalities.