Cleaning Fluid and Moving Boxes

Problem Card 1

A recipe for cleaning fluid uses water and vinegar. Clare made a certain amount of this cleaning fluid. How much water did she use?

Cleaning Fluid and Moving Boxes

Data Card 1

- The recipe says to use 4 parts water.
- The recipe says to use 3 parts vinegar.
- The ratio of water to vinegar is 4 : 3.
- The ratio of vinegar to water is 3 : 4.
- Clare made a total of 28 tablespoons of cleaning fluid.

Cleaning Fluid and Moving Boxes

Problem Card 2

Andre and Han are moving boxes, each working at a constant rate. How long will it take Andre and Han to move all the boxes?

Cleaning Fluid and Moving Boxes

Data Card 2

- Andre can move 4 boxes every half hour.
- Han can move 5 boxes every half hour.
- The ratio of boxes moved by Andre to boxes moved by Han is 4 : 5.
- The ratio of boxes moved by Han to boxes moved by Andre is 5 : 4.
- There are 72 boxes that need to be moved.

Cleaning Fluid and Moving Boxes

Problem Card 1

A recipe for cleaning fluid uses water and vinegar. Clare made a certain amount of this cleaning fluid. How much water did she use?

Cleaning Fluid and Moving Boxes

Data Card 1

- The recipe says to use 4 parts water.
- The recipe says to use 3 parts vinegar.
- The ratio of water to vinegar is 4 : 3.
- The ratio of vinegar to water is 3 : 4.
- Clare made a total of 28 tablespoons of cleaning fluid.

Cleaning Fluid and Moving Boxes

Problem Card 2

Andre and Han are moving boxes, each working at a constant rate. How long will it take Andre and Han to move all the boxes?

Cleaning Fluid and Moving Boxes

Data Card 2

- Andre can move 4 boxes every half hour.
- Han can move 5 boxes every half hour.
- The ratio of boxes moved by Andre to boxes moved by Han is 4 : 5.
- The ratio of boxes moved by Han to boxes moved by Andre is 5 : 4.
- There are 72 boxes that need to be moved.

CC BY NC Illustrative Mathematics, based on IM 6–8 Math, CC BY Open Up Resources.