

Activity 14 Assessment

Recognizing and Describing Proportional Situations

Recognizing and Describing Proportional Situations

Recognizes and describes a proportional situation

Is this situation proportional?
Jack earns \$7/h for babysitting.

“This is a proportional situation because if Jack works twice as long, they get paid twice as much.”

Represents a proportional situation in different ways

In a pattern, there are 6 black squares for every 3 white squares.

- “As a picture



- As a ratio table

Black squares	White squares
6	3
12	6
18	9
24	12

- As a unit rate
2 black squares/white square”

Identifies the scale factor for a proportional situation

On a scale diagram of a field, 5 cm represents 100 m.

“The scale factor for the diagram is:

$$\frac{5}{10\,000} = \frac{1}{2000}”$$

Chooses a strategy to solve a proportion problem

In a rectangle, the ratio of the length to the width is 5:3.

The length is 20 cm.

What is the width?

“Make a ratio table.

Length (cm)	Width (cm)
5	3
10	6
15	9
20	12

The width is 12 cm.”

Observations/Documentation