

# Day 1

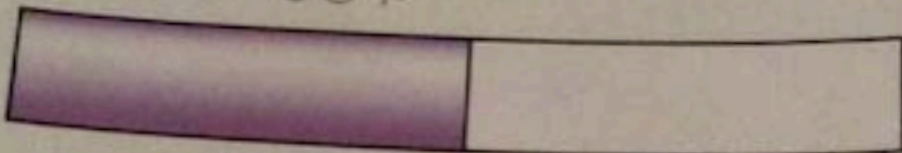
Mer 3 Layne

House Leige

**Problem:** Which shape is more purple?

estimated - 50%

A



estimated - 75%

B



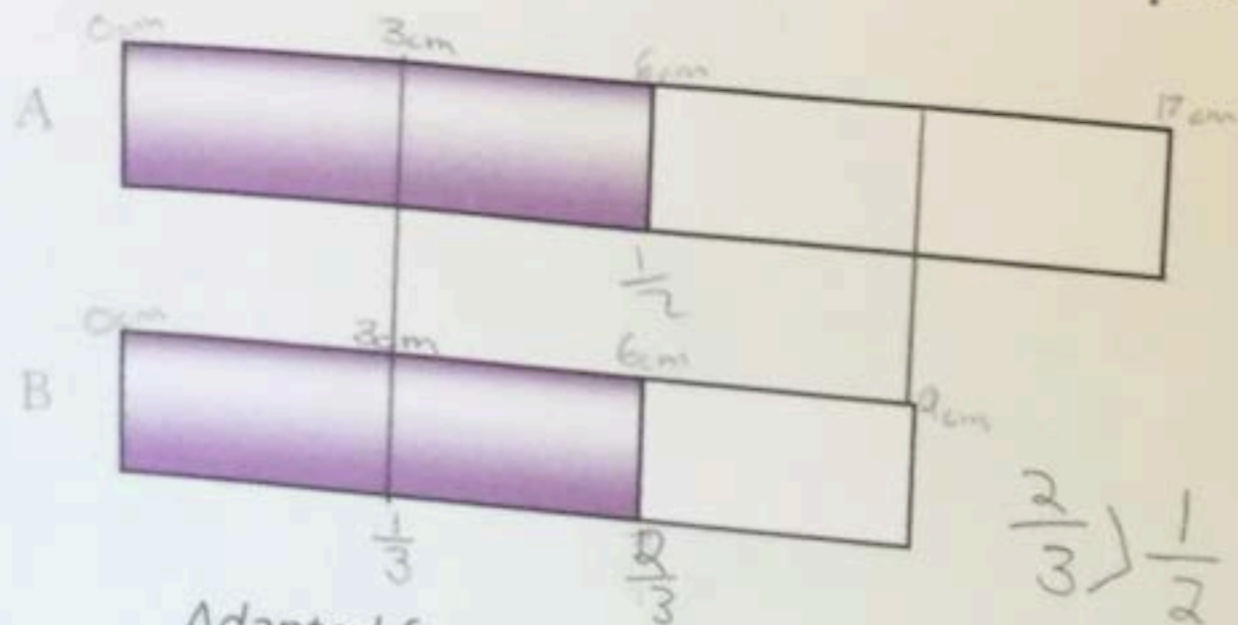
Adapted from Marian Small (2008, p. 254)

**Source:** Paying Attention to Proportional Reasoning, p. 3

Shape B ~~is~~ has a larger amount of purple because it (B) has 75% out of 100% and A has 50% out of 100%. And 75% is larger than 50%.

# Day 1

Problem: Which shape is more purple?



Adapted from Marian Small (2008, p. 254)

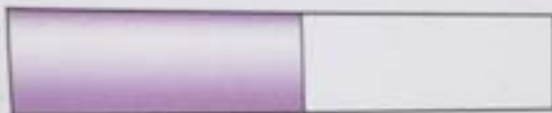
Source: [Paying Attention to Proportional Reasoning, p. 3](#)

The purple in figure A is  $\frac{1}{2}$  and the purple in figure B is  $\frac{2}{3}$ . Since  $\frac{2}{3}$  is greater than  $\frac{1}{2}$ , figure B has more purple. We also used proportional reasoning.

# Day 1

Problem: Which shape is more purple?

A



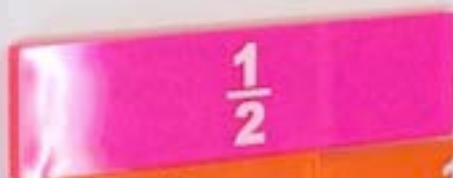
B



*Adapted from Marian Small (2008, p. 254)*

Source: [Paying Attention to Proportional Reasoning, p. 3](#)

A



B



a. 

b. 

(the green represents  
the purple)  
the rods underneath the  
represent the white space  
rods

$\frac{1}{2}$

A

50%

$\frac{2}{3}$

(B)

66%

A

$\frac{1}{2}$

B

$\frac{1}{3}$

$\frac{1}{3}$



A



B

→ has  
than A

## Day 1

Problem: Which shape is more purple?



Adapted from Markus Small (2008, p. 254)

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