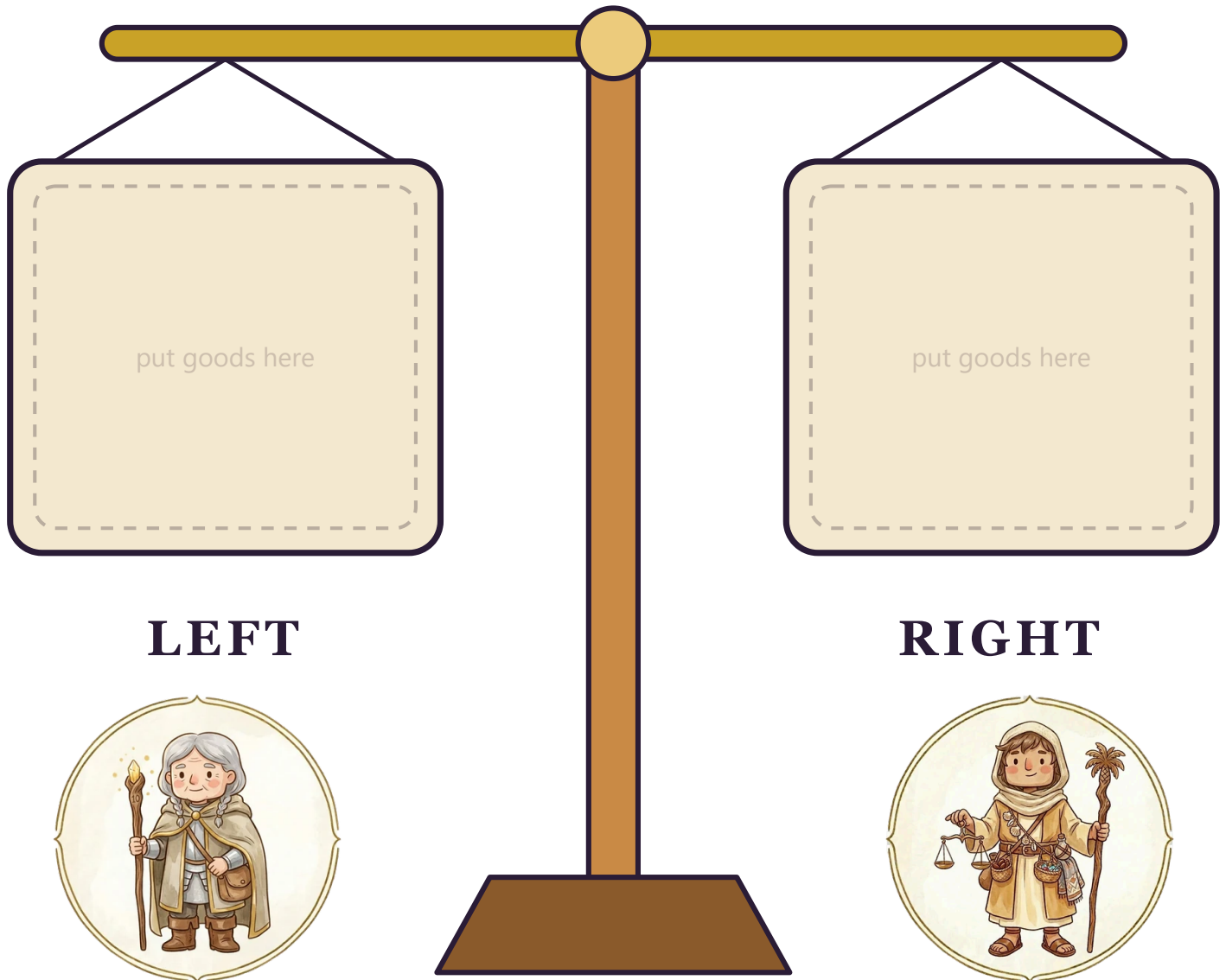


THE SCALE-SAND MARKET SCALE

Put goods in each tray. Which side has more?

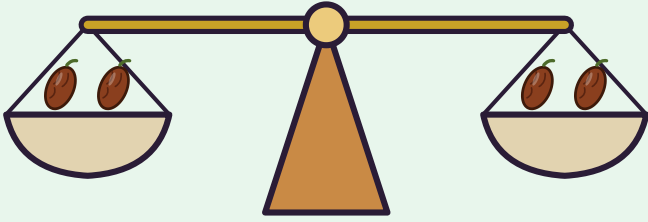


1. Fill the trays with dates, gems, and shells from the goods sheet.
2. Count each side out loud. The side with more goes down.
3. Hold up an answer card: THE SAME, LEFT HAS MORE, or RIGHT HAS MORE.
4. Make it fair. Move goods until both sides match.



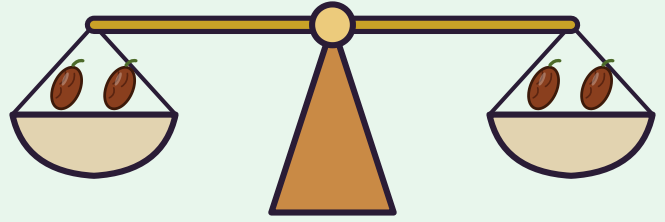
ANSWER CARDS

Cut apart. Your child holds up the card that matches the scale.



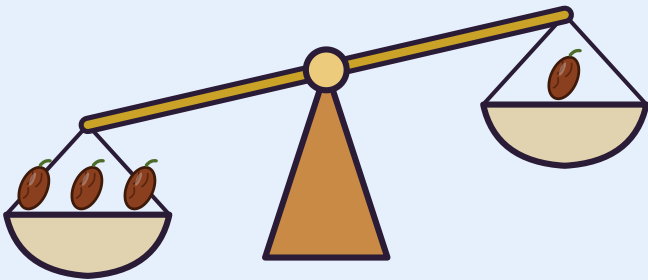
THE SAME

both sides match



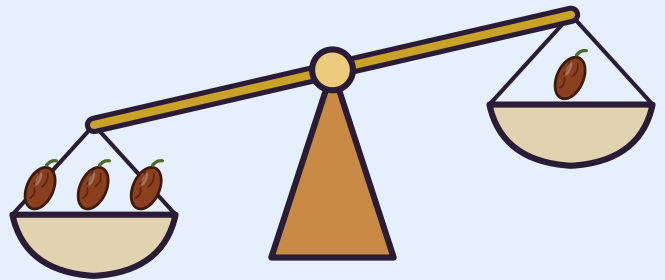
THE SAME

both sides match



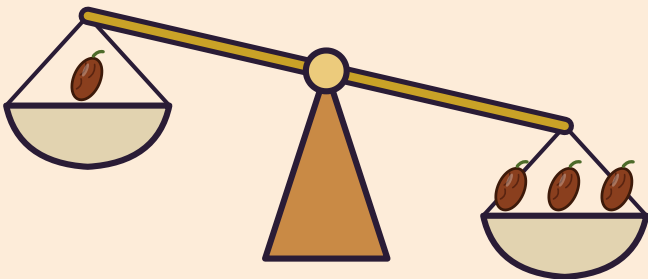
LEFT HAS MORE

the left side goes down



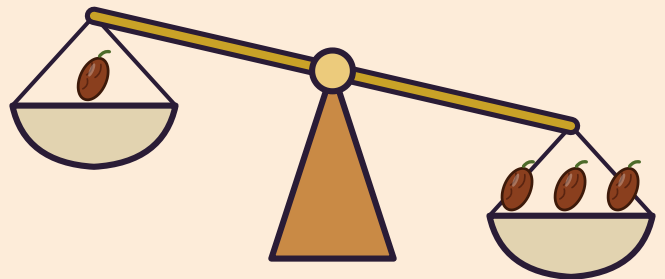
LEFT HAS MORE

the left side goes down



RIGHT HAS MORE

the right side goes down



RIGHT HAS MORE

the right side goes down

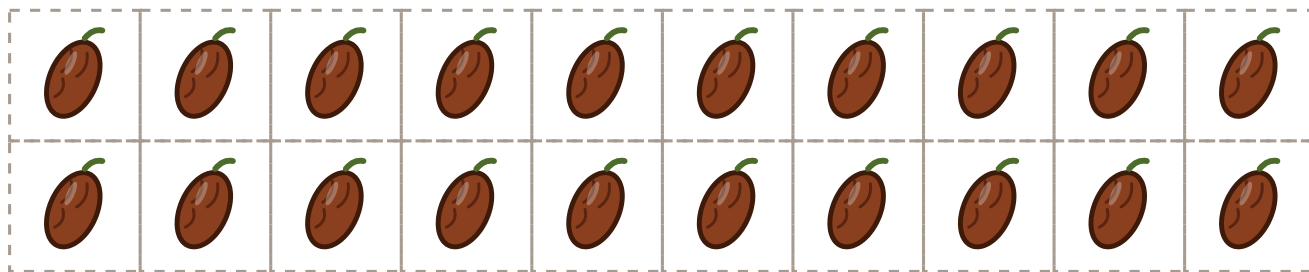


MARKET GOODS

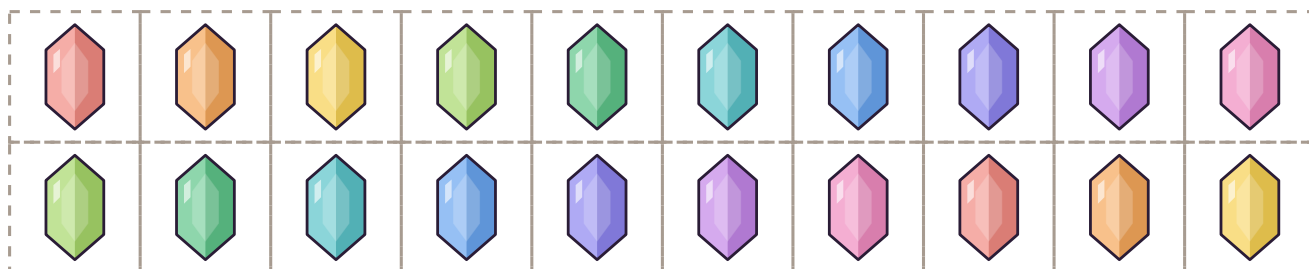


Cut along the dotted lines: 20 dates, 20 gems, and 20 shells.

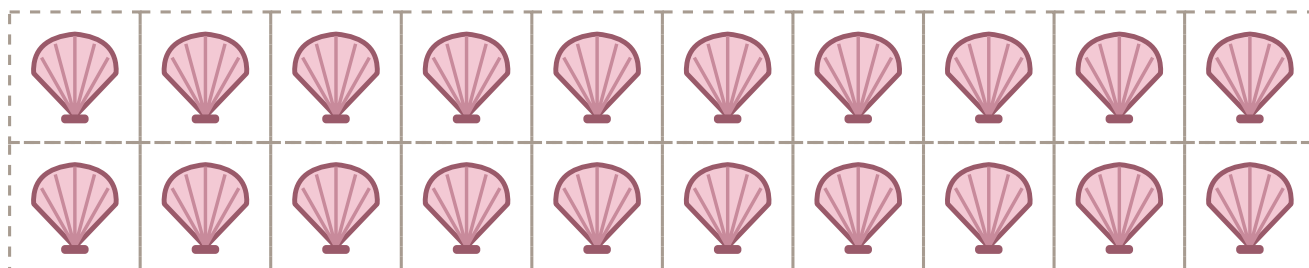
DATES



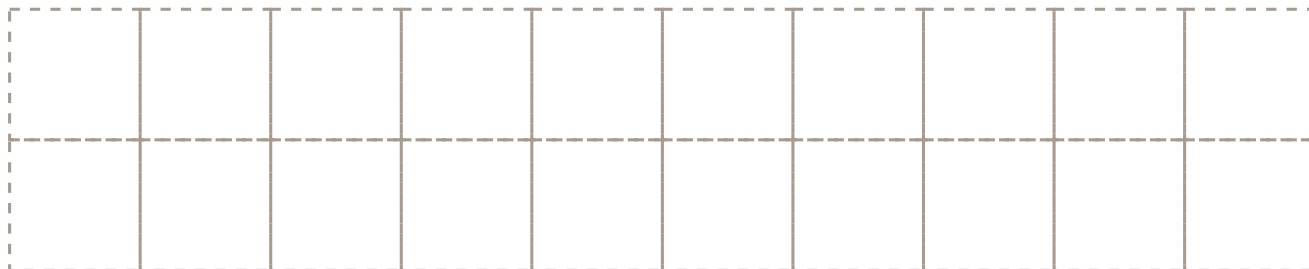
GEMS



SHELLS



YOUR OWN GOODS (draw them!)



Real buttons, coins, blocks, and small toys work on the scale too.

MARKET DAY QUESTIONS

For the grown-up: read one, set up the trays, and let your child decide. Answers are in grey.

1

A desert trader puts 1 date on one side and 8 shiny gems on the other. He says, "The scale says it's equal!" Is he right?

No. 8 gems is more than 1 date, so the gem side has more.

7

The Jackal Judge says, "The mouse is bigger than the dragon." True or false? Which one is really bigger?

False. The dragon is bigger. The mouse is smaller.

2

Lady Tenna says, "The market has forgotten fair trades." How many gems could the trader take away to match the 1 date?

7 gems. Then it is 1 and 1.

8

Two stone bowls: the left holds 3 glowing stones and the right holds 1. Which has more? Which has less?

The left has more. The right has less.

3

The trader puts 3 dates on the left and 3 dates on the right. What does the scale say?

The same. It is fair.

9

The Jackal Judge says, "Unequal is fair!" Is that true? What would you say?

False. Fair means the same on both sides.

4

He puts 4 shells on the left and 2 on the right. Which side has more? Which has less?

The left has more. The right has less.

10

A trader says, "2 dates for you, 2 dates for me." Then he sneaks 1 more onto his side. Is it still fair?

No. Now he has 3 and you have 2.

5

How many more shells does the right side need to match the left?

2 more shells.

11

The trader has 6 gems to share fairly between 2 customers. How many does each get?

3 each.

6

The Jackal Judge growls, "Small is bigger!" True or false?

False. Say something true back: "Small is smaller."

12

Challenge: a trader trades 2 shells for 1 gem. How many gems do you get for 6 shells?

3 gems.