Guidance for Macros in PowerPoints

We use macros within PowerPoints to increase the interactivity of our presentations. Follow this simple process to get the most out of this resource.

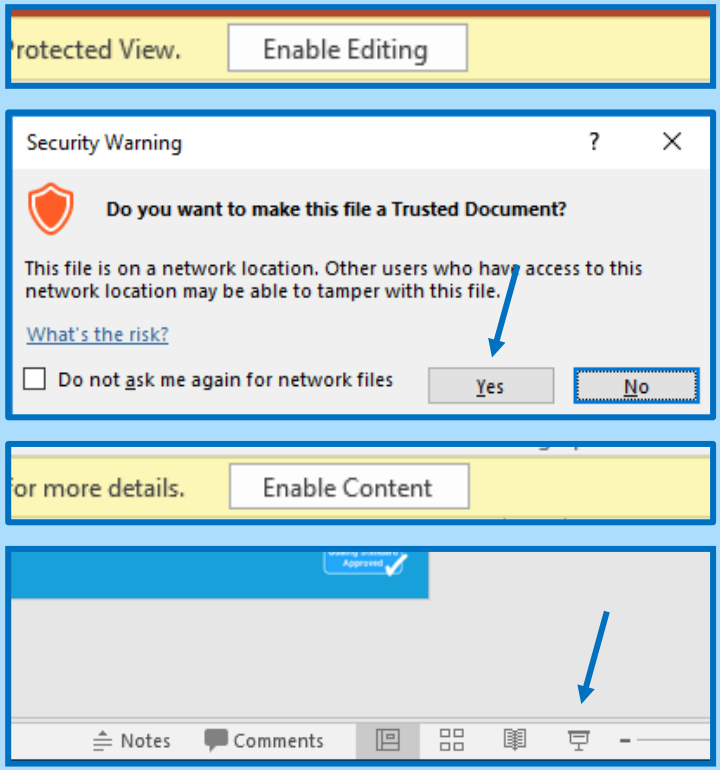
What to do:

Open the PowerPoint file and enable editing.

A security warning box may appear. Click yes.

Click enable content.

Enter presentation mode (start the slide show).



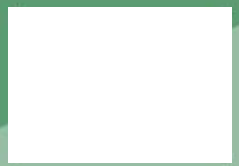
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Maths

Multiplication and Division

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Multiplication and Division Starter Ideas



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Contents 1-12

Multiplication Tables Loop Cards	Switch
Multiples Venn Diagram	Fascinating Facts
Beat the Clock	Guess the Question?
Factors Treasure Hunt	Measures Match
Prime Race	Perfect Partitioning
What am I?	The Fifteen Times Table

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Contents 13-25

Magic Wands	Dynamic Digits
Twinkl Travel Company	Match-Up
What a Mess!	Loop Cards 2
Banana Maths	Decimal Dancing
Buddies	Trios
Signs	Hot Potato

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Contents 26-37

Bingo	Remainders
Square Numbers	Possibilities
Factor Race	Keywords
Spiders	Fantastic Fractions!
Missing Numbers	Masterful Multiplication
Arrays	Change Machine

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Multiplication Tables Loop Cards

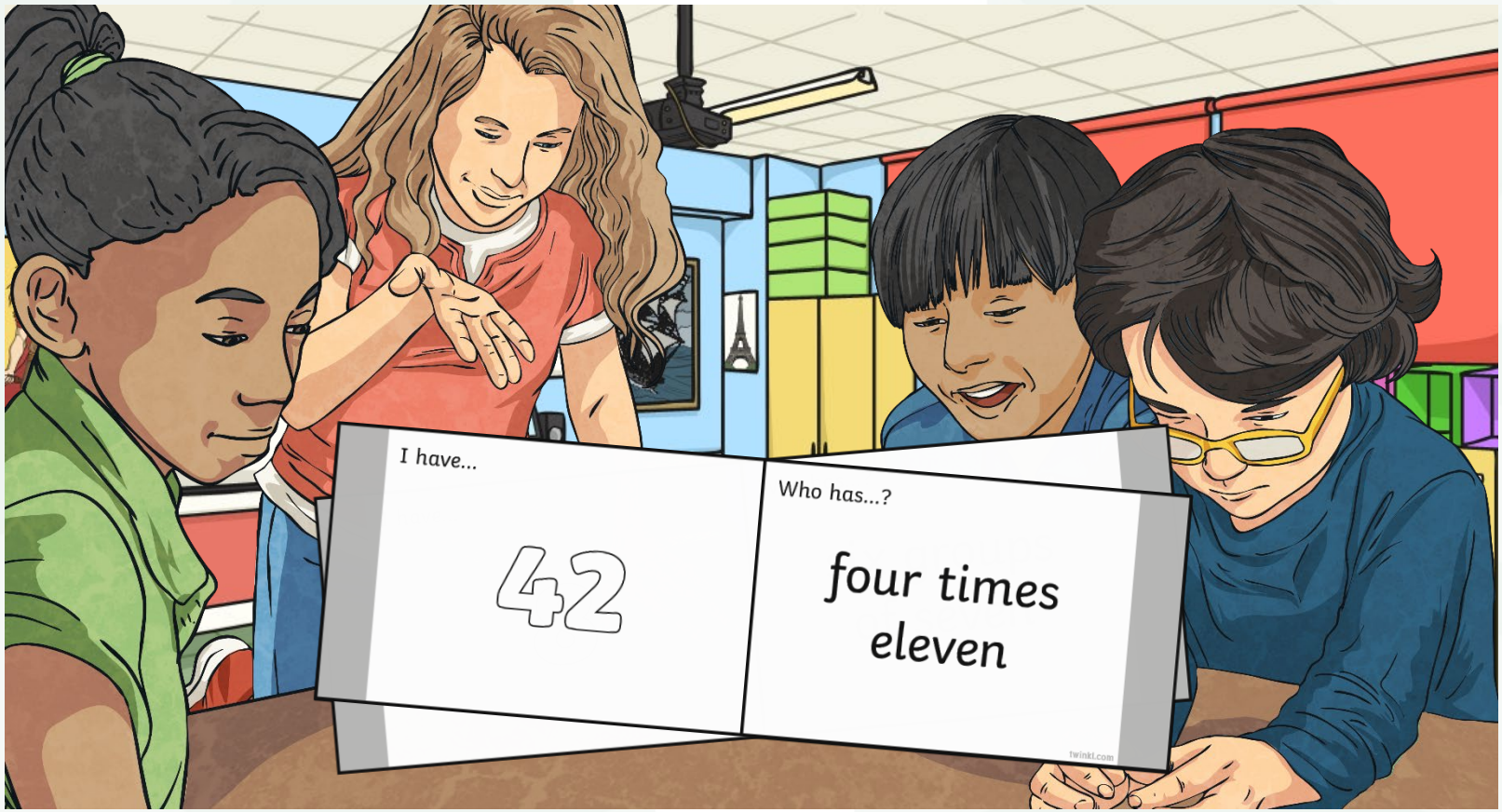
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Multiplication Tables Loop Cards

How quickly can we complete the loop?

Look for the answer on your card and then ask your question.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

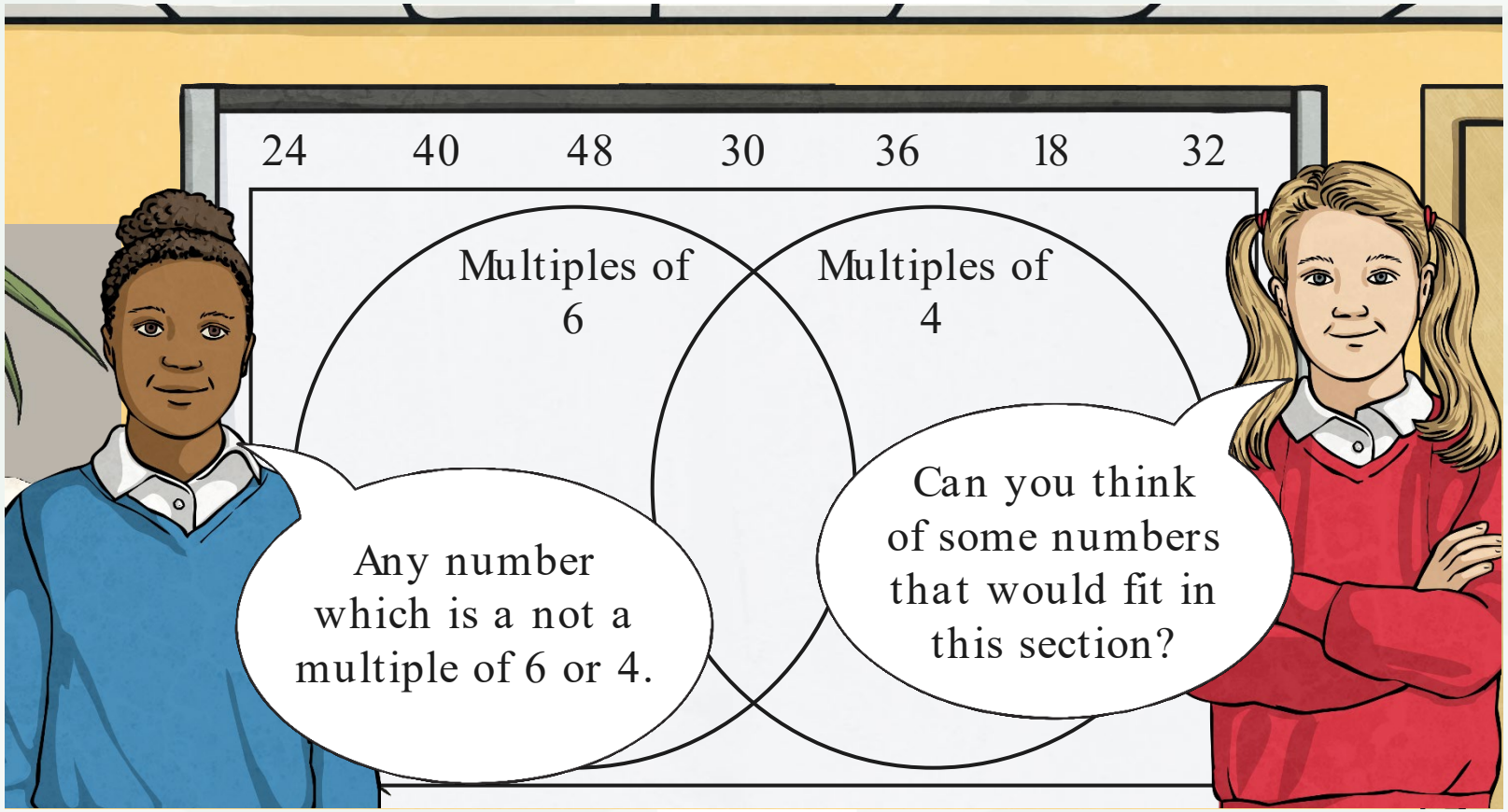
Multiples Venn Diagram

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Multiples Venn Diagram

How can we sort numbers with the use of a Venn diagram?



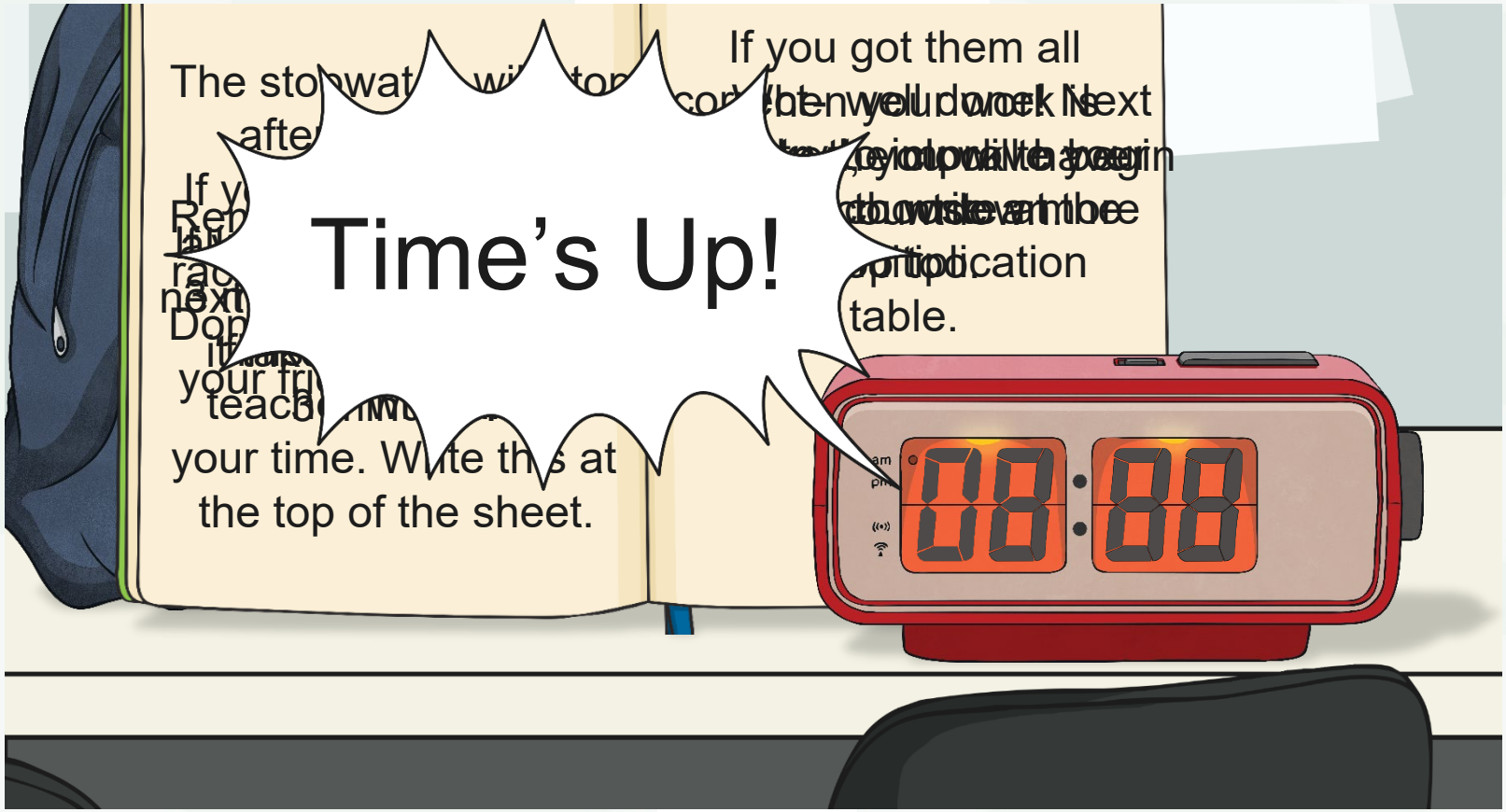
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Beat the Clock

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Beat the Clock

Your teacher will tell you which columns to complete.



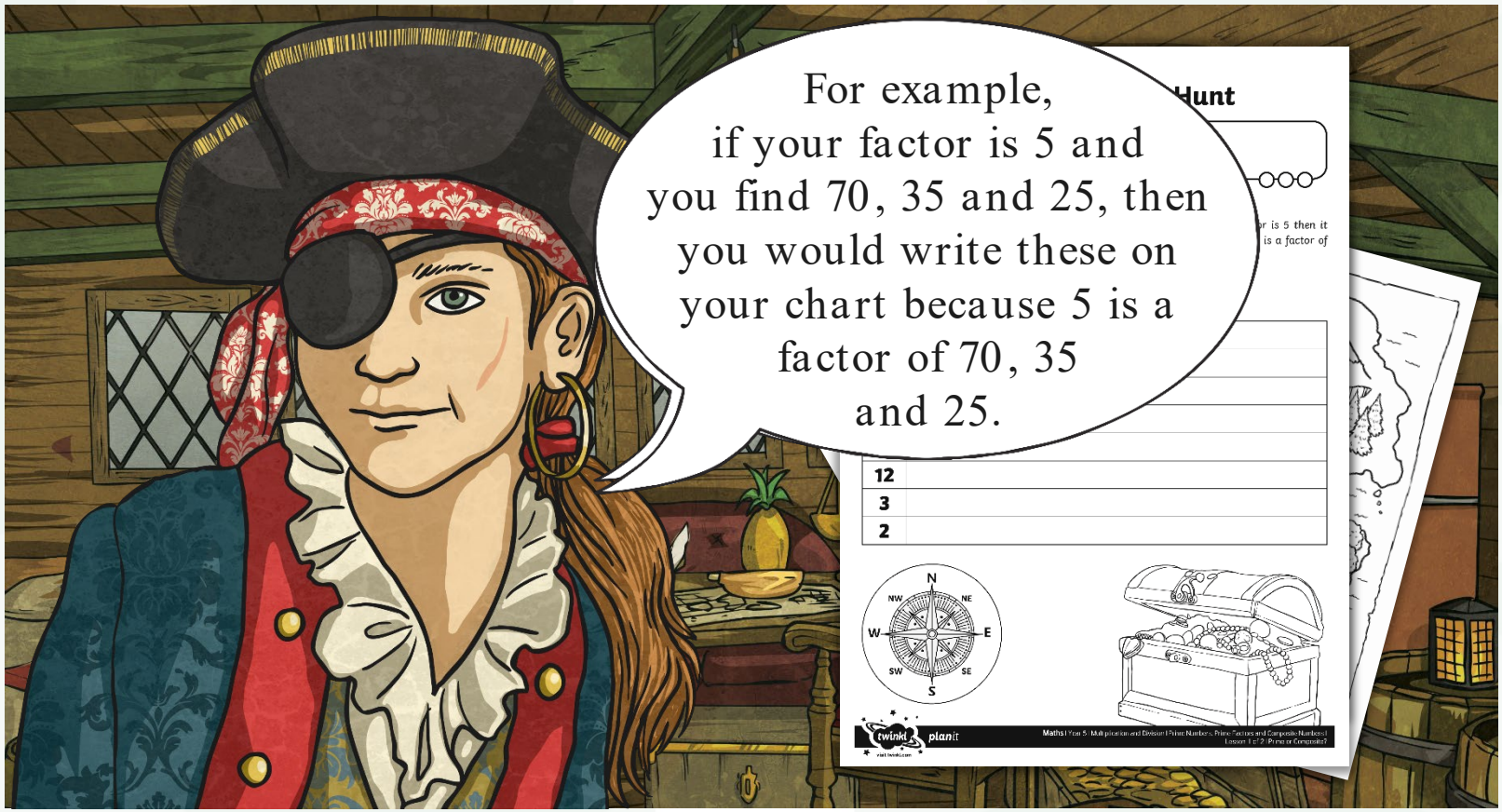
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Factors Treasure Hunt

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Factors Treasure Hunt

Look at the factors on your Factors Treasure Hunt Sheet.



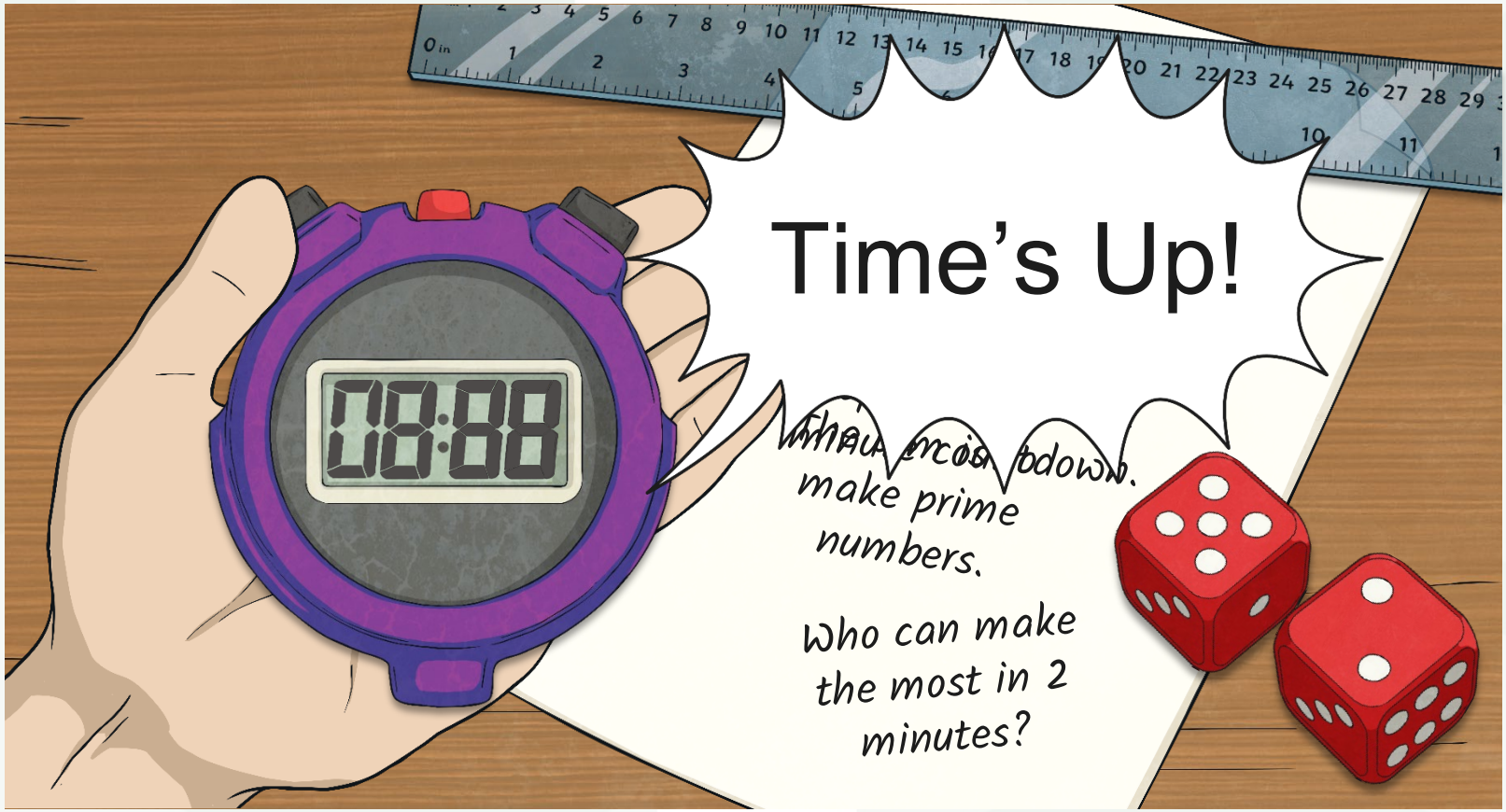
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Prime Race

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Prime Race

In pairs, roll two dice (one each).



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

What Am I ?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

What Am I ?

Split into pairs, one person will be the Thinker and the other will be the Guesser.

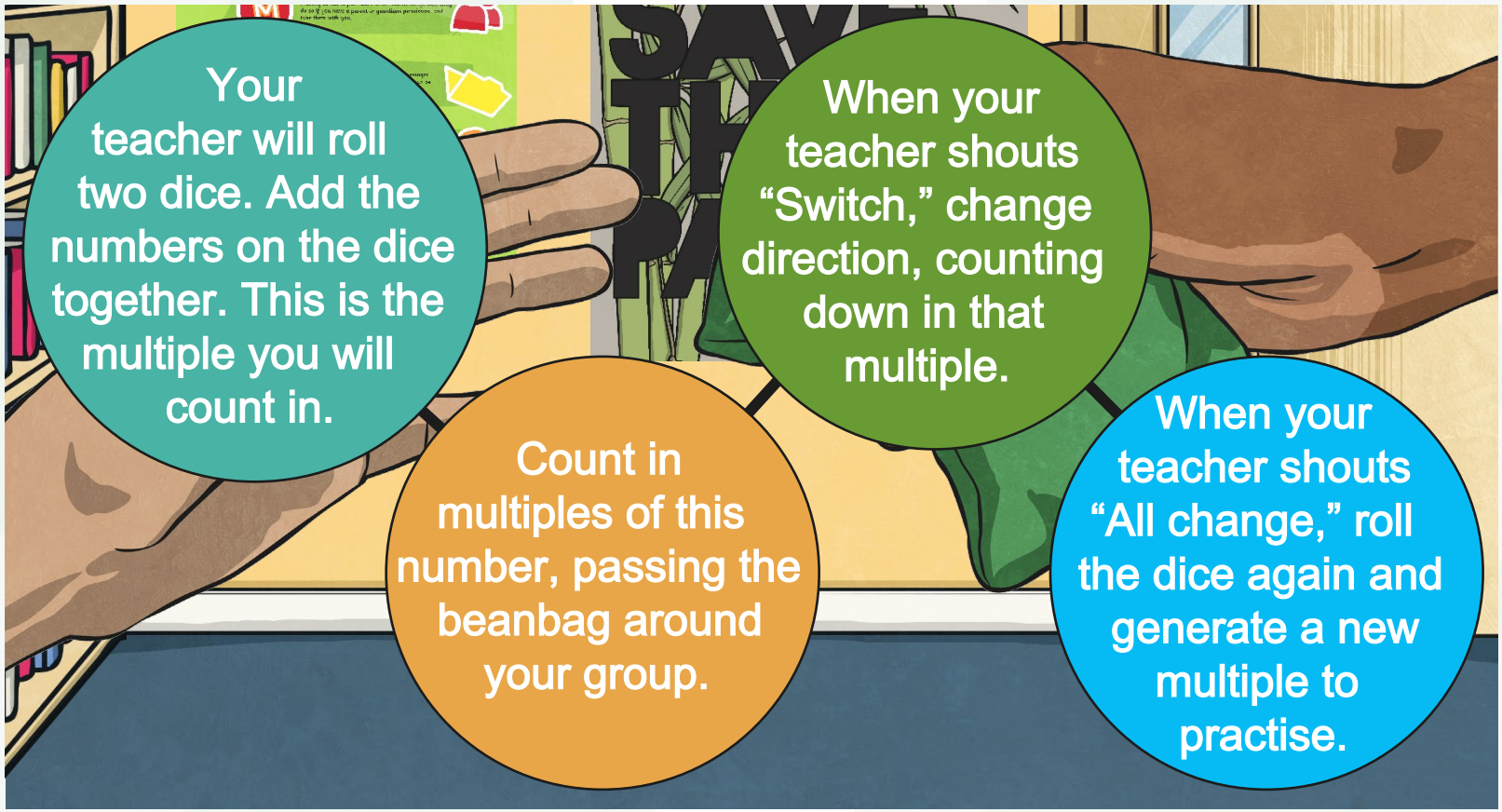
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Switch

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Switch

Work in small groups with a beanbag per group.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

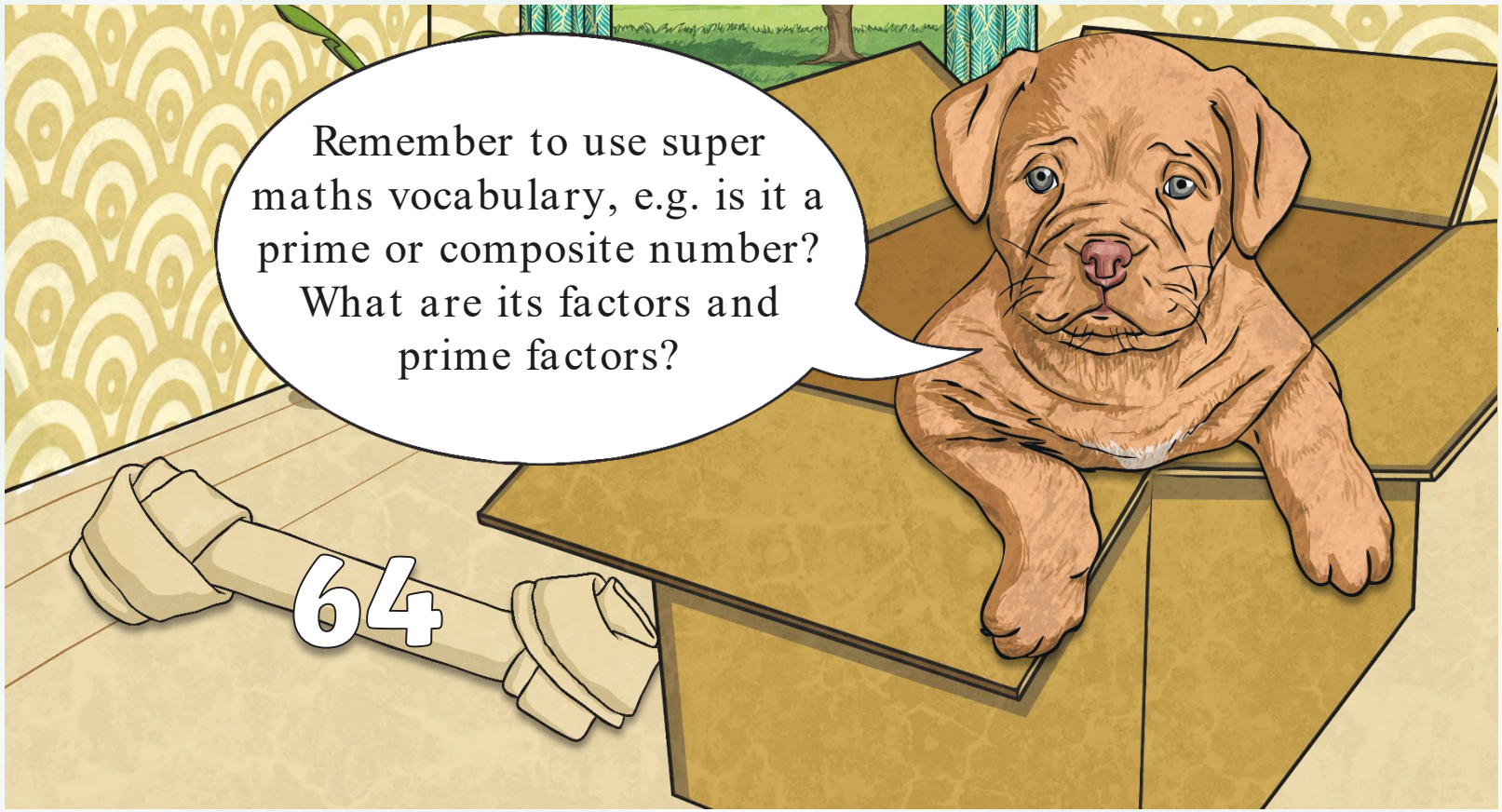
Fascinating Facts

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Fascinating Facts

Write down as many facts as you can about this number in two minutes.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Guess the Question

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Guess the Question

Here is the answer:

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

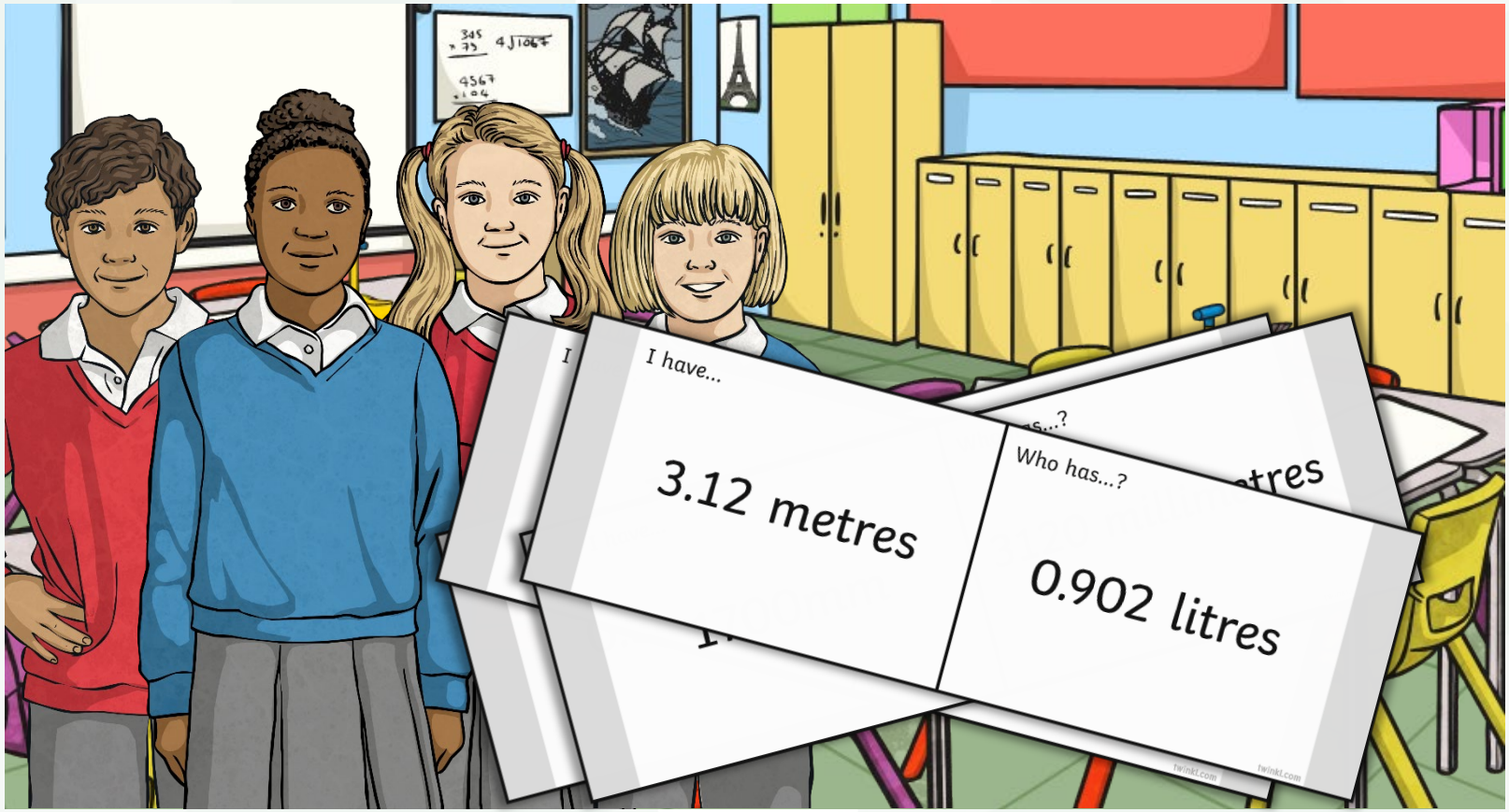
Measures Match

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Measures Match

Share the **Measures Loop Cards** between the class.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Perfect Partitioning

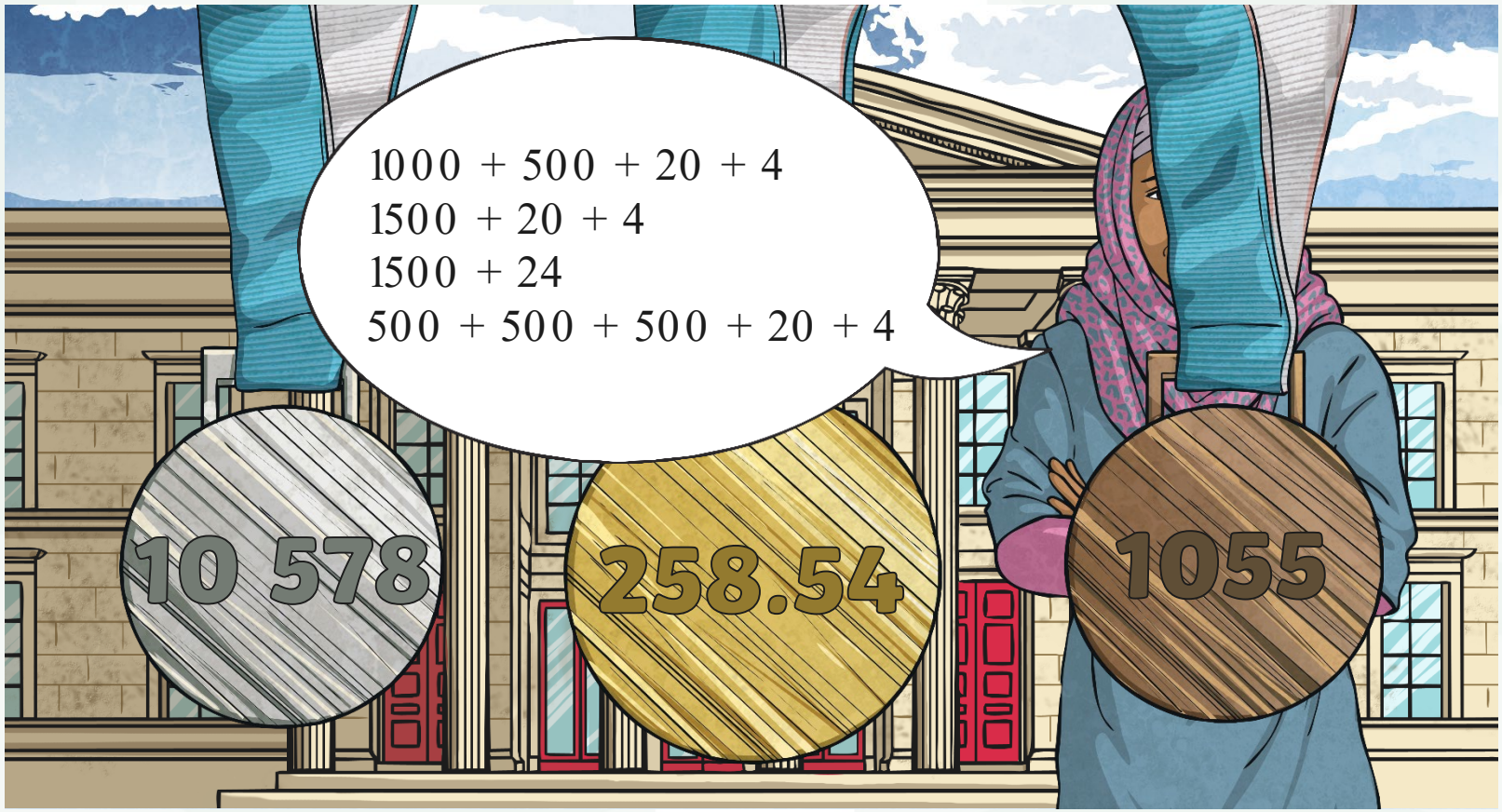
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Perfect Partitioning

How many different ways can you find to partition these numbers?

E.g. 1524 could be partitioned as:



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

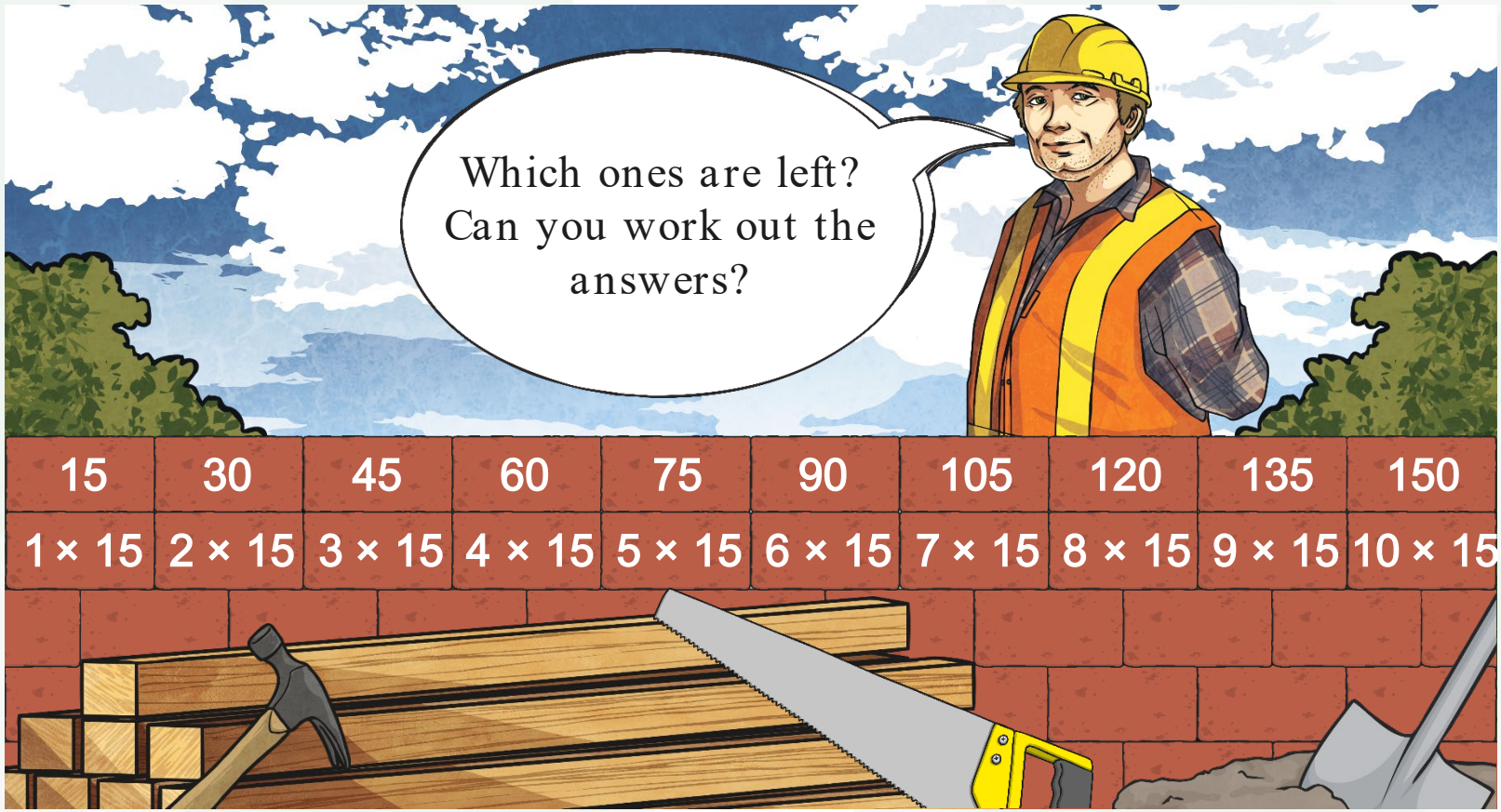
The Fifteen Times Table

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

The Fifteen Times Table

Can you help Billy Builder with his multiplication?



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

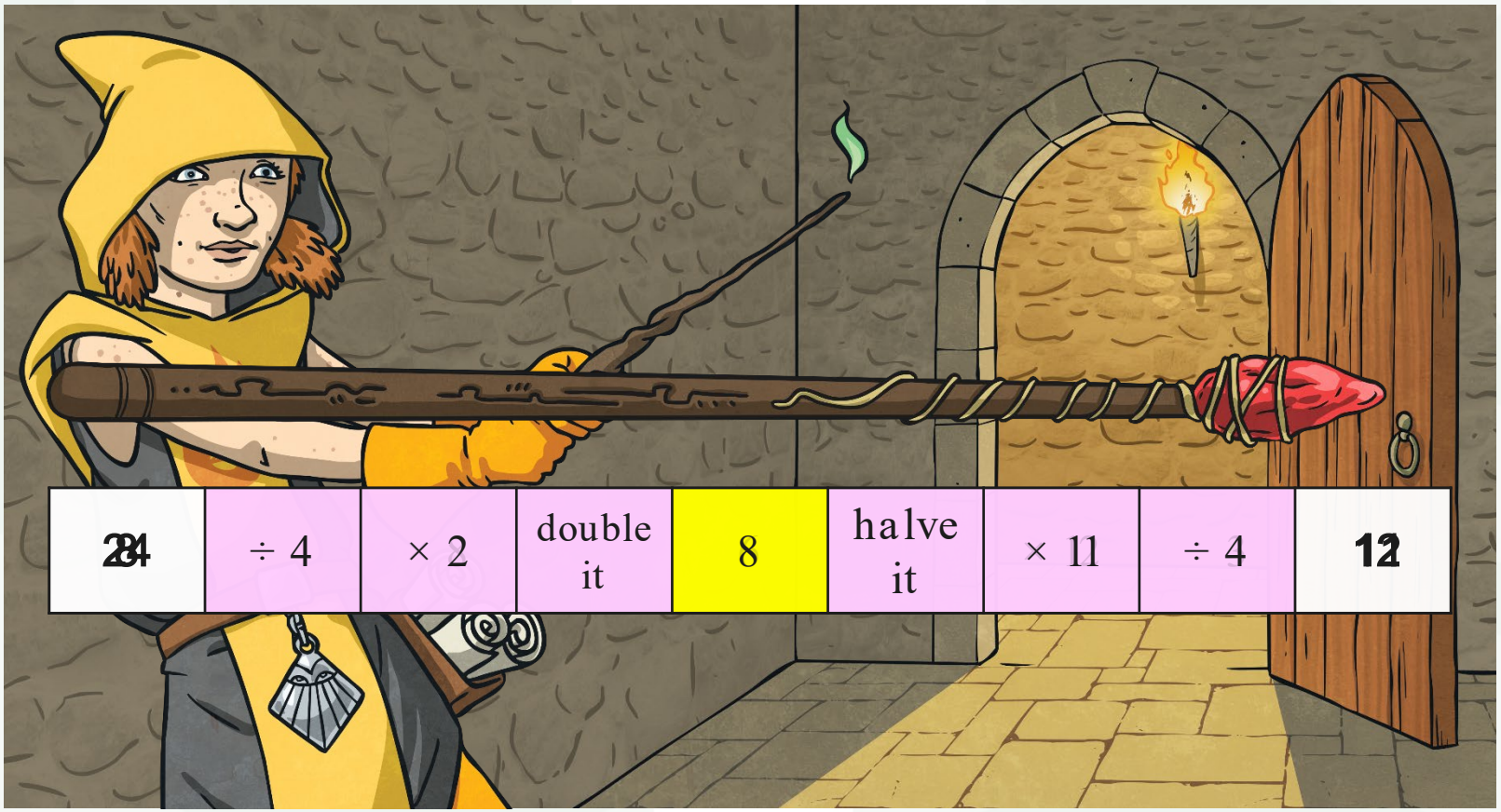
Magic Wands

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Magic Wands

Start with the number in the middle and calculate the number which will be at each end of the wand.



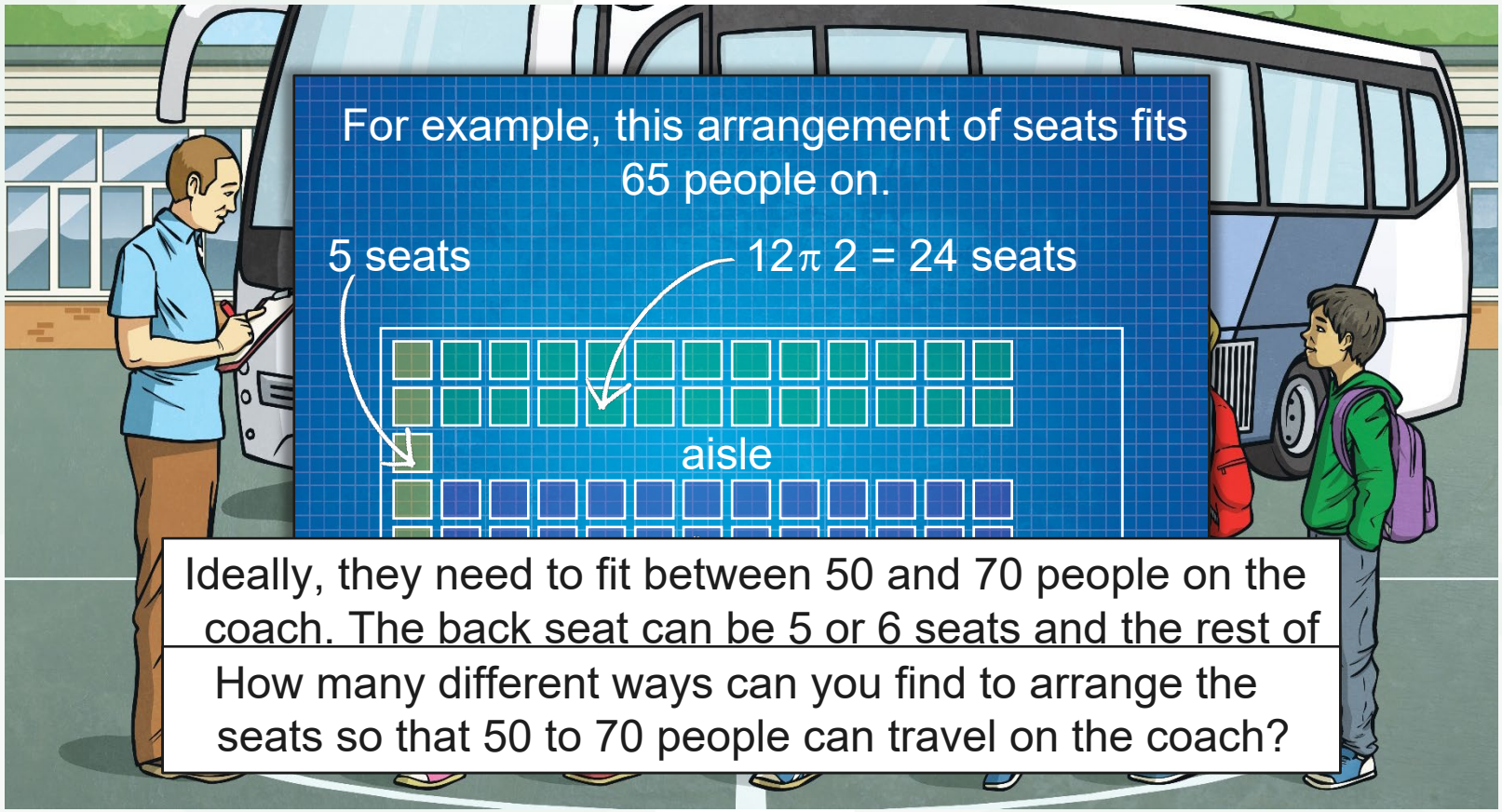
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Twinkl Travel Company

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Twinkl Travel Company

Twinkl Travel need to design their coaches so that they can take as many children as possible out on school visits.



Ideally, they need to fit between 50 and 70 people on the coach. The back seat can be 5 or 6 seats and the rest of

How many different ways can you find to arrange the seats so that 50 to 70 people can travel on the coach?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

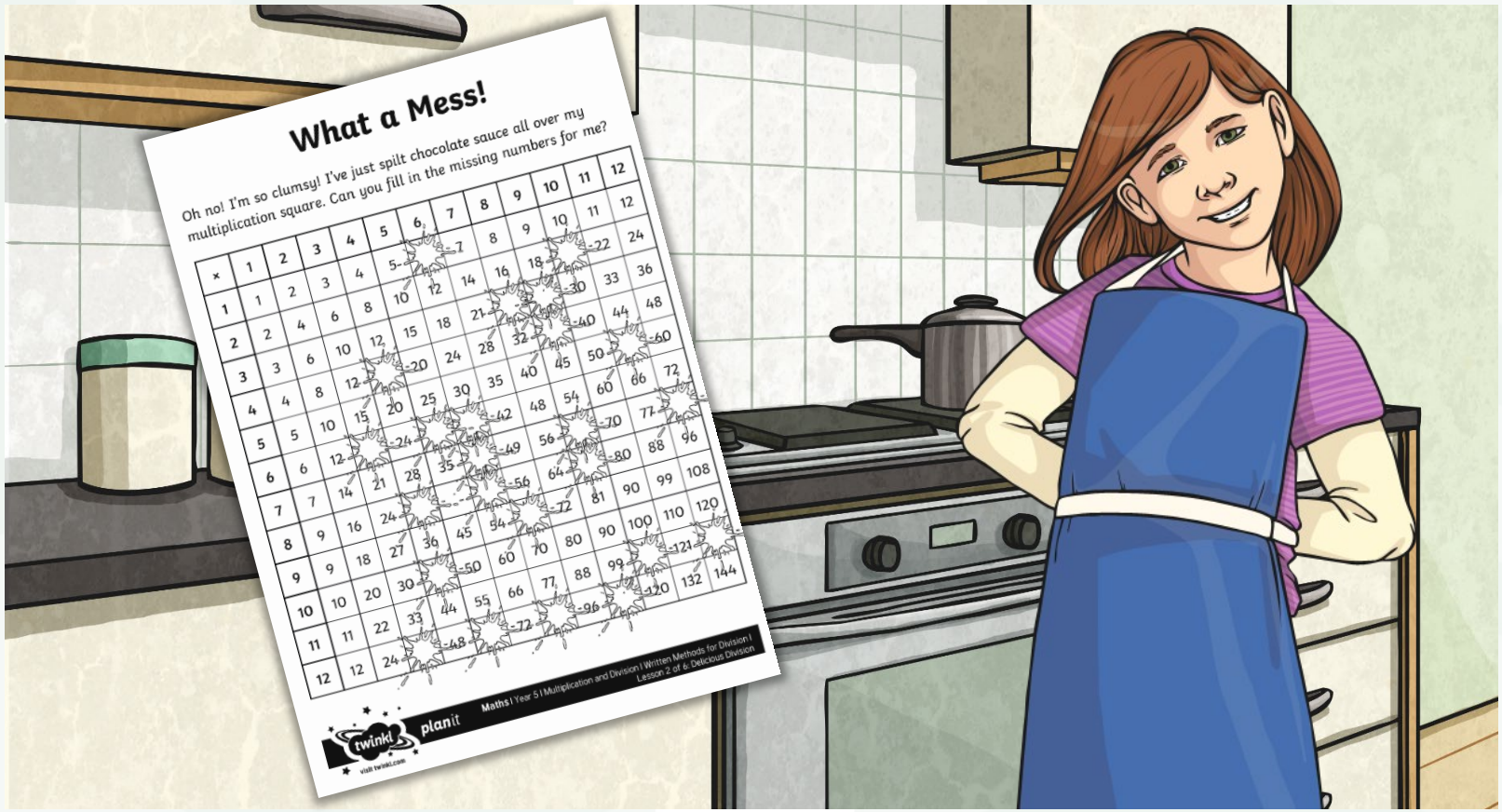
What a Mess!

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

What a Mess!

Whoops! The chef spilt sauce all over her multiplication square.
How quickly can you complete the missing numbers for her?



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

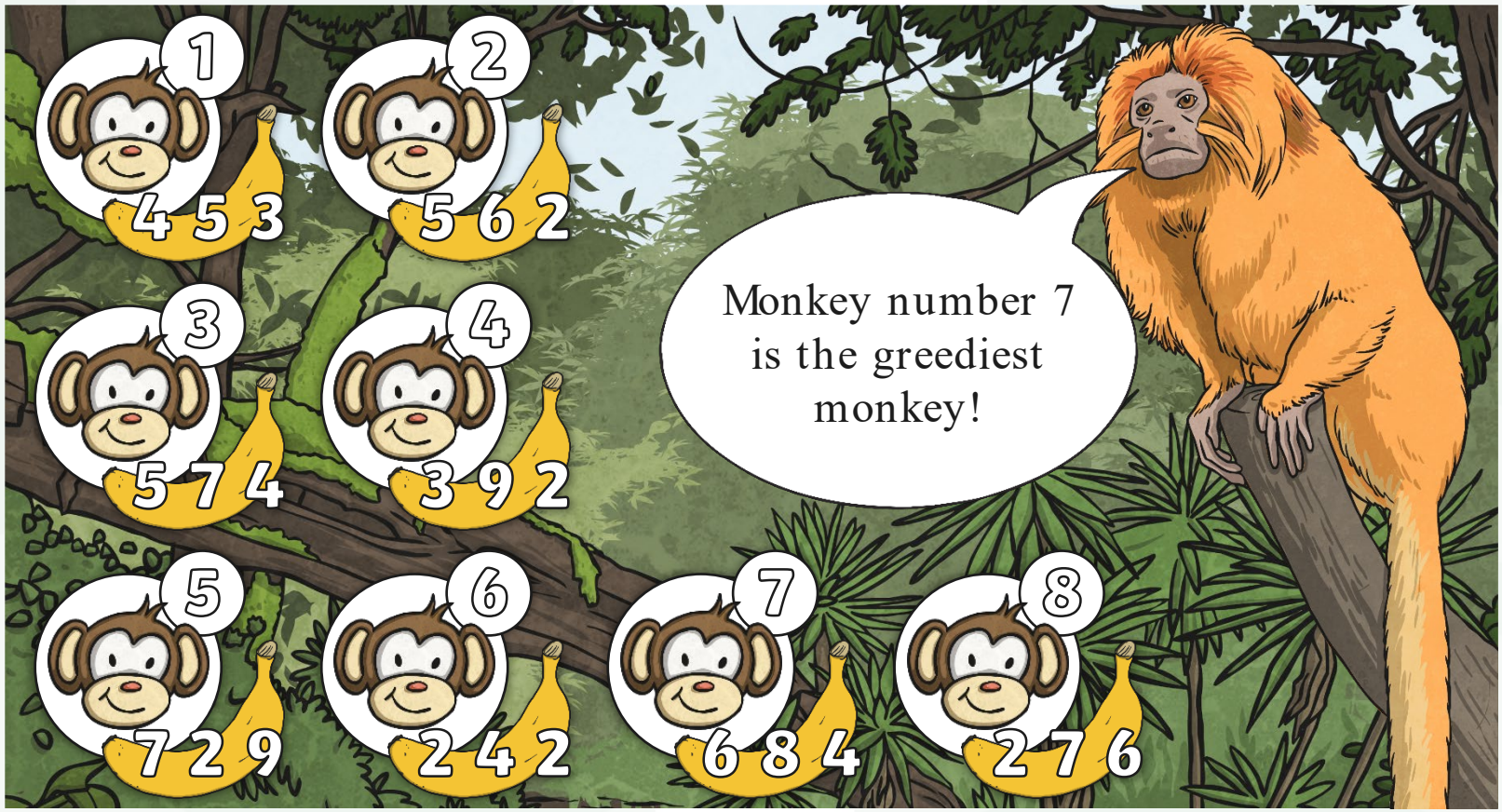
Banana Maths

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Banana Maths

Multiply the three digits on the bananas together to work out the number of bananas swiped by each monkey, e.g. 3 × 2 × 4 = 24



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Buddies

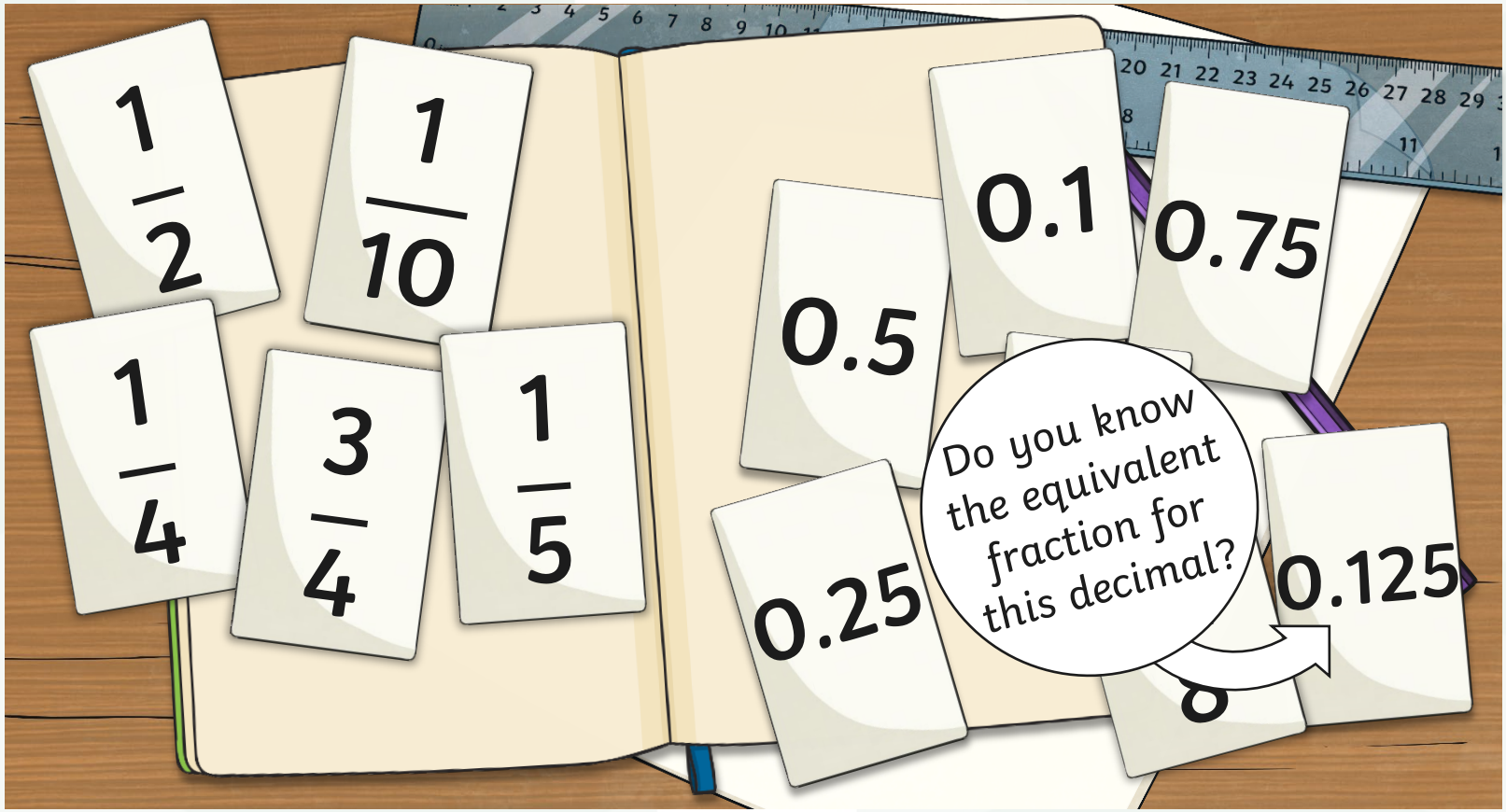
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Buddies

Can you match each fraction with its equivalent decimal?

Which one is the odd one out?



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Signs

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Signs

As each word appears, use one of the cards to show which operation it is associated with. Is it addition, subtraction, multiplication or division?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Dynamic Digits

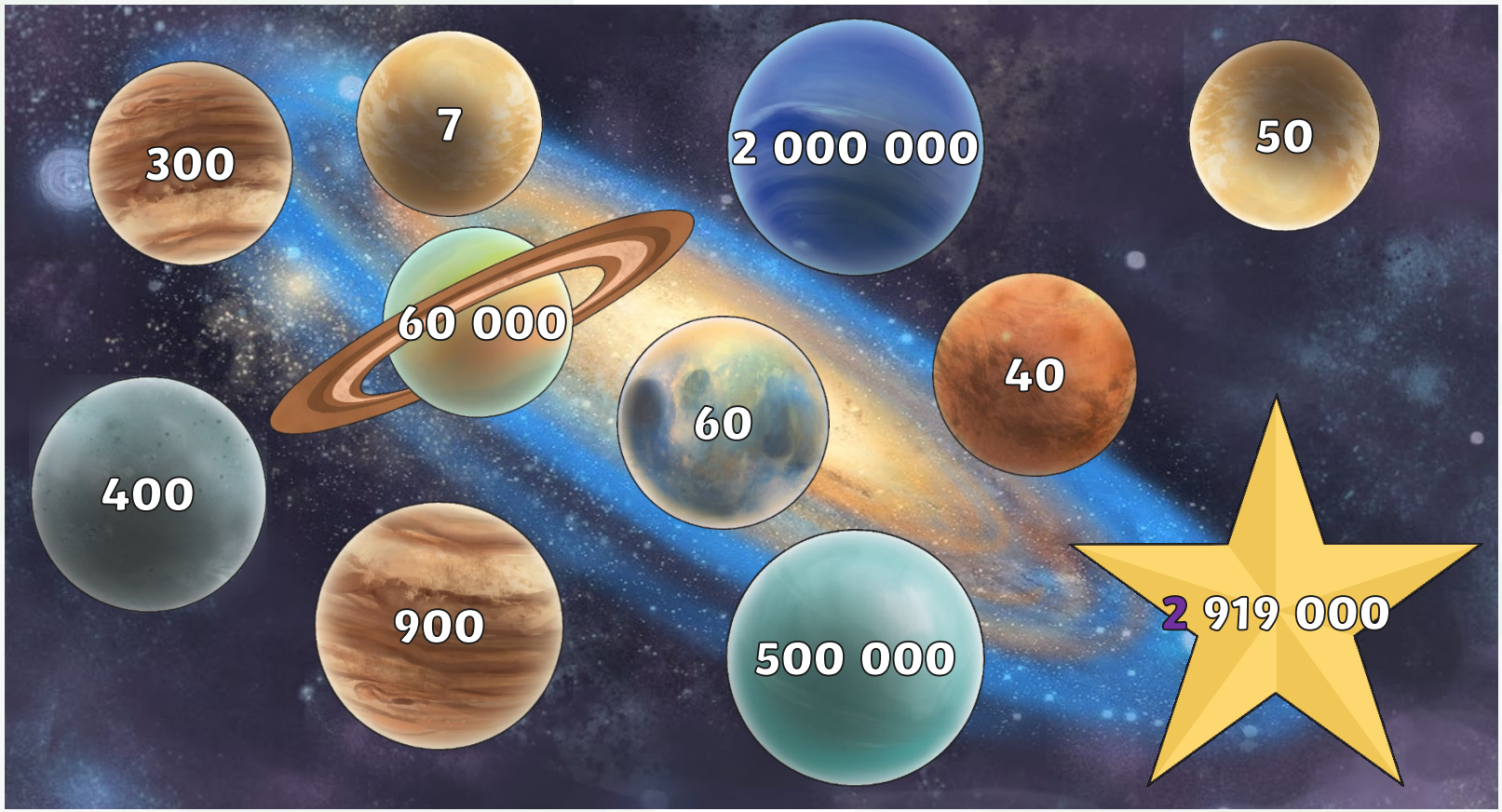
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Dynamic Digits

What number does the highlighted digit in the star stand for?

Match the shooting star to the planet which shows the answer.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Match-Up

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Match-Up

You need a Time Match-Up Card each.

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Loop Cards 2

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Loop Cards 2

Share out the cards between the class.

Can you link each question and answer?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Decimal Dancing

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Decimal Dancing

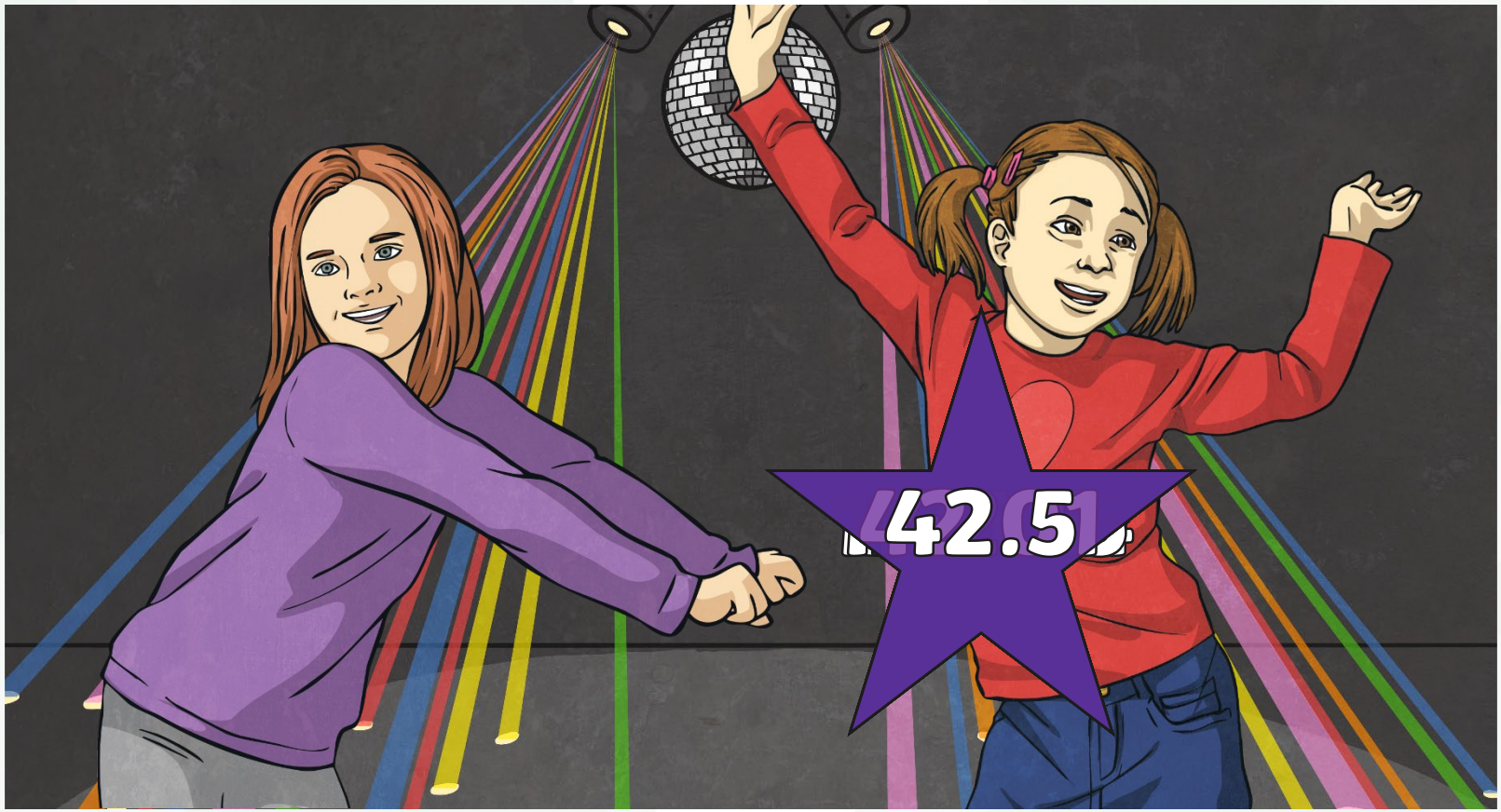
How are your dance moves today?

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Decimal Dancing

Get dancing!



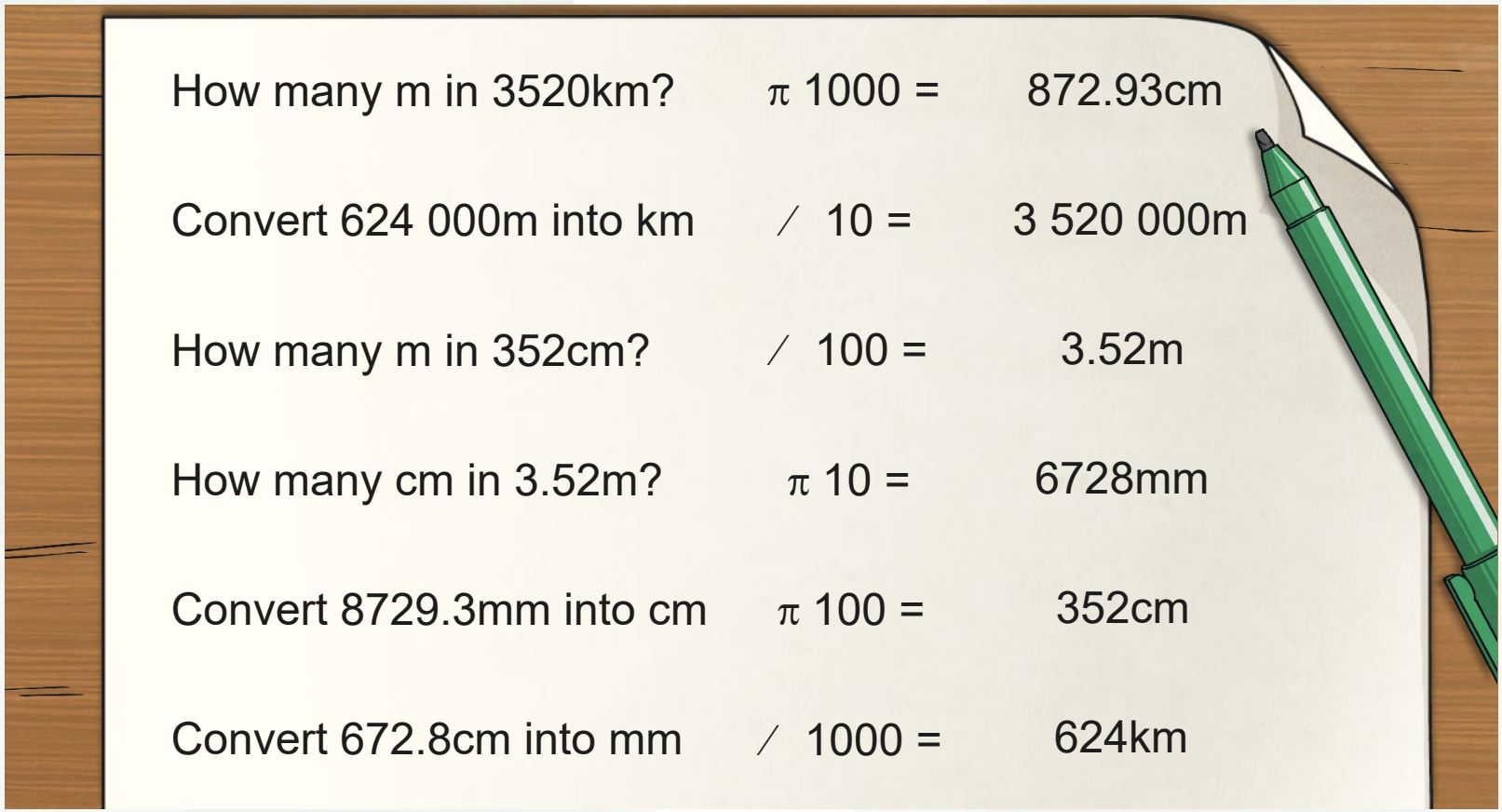
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Trios

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Trios

Match up the problem, the calculation and the answer.
Use a whiteboard to help.



How many m in 3520km?	π 1000 =	872.93cm
Convert 624 000m into km	⁄ 10 =	3 520 000m
How many m in 352cm?	⁄ 100 =	3.52m
How many cm in 3.52m?	π 10 =	6728mm
Convert 8729.3mm into cm	π 100 =	352cm
Convert 672.8cm into mm	⁄ 1000 =	624km

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Hot Potato

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Hot Potato

Pass the potato as quickly as you can. It's really hot!

Bingo

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Bingo

Listen carefully to the question and calculate the answer.

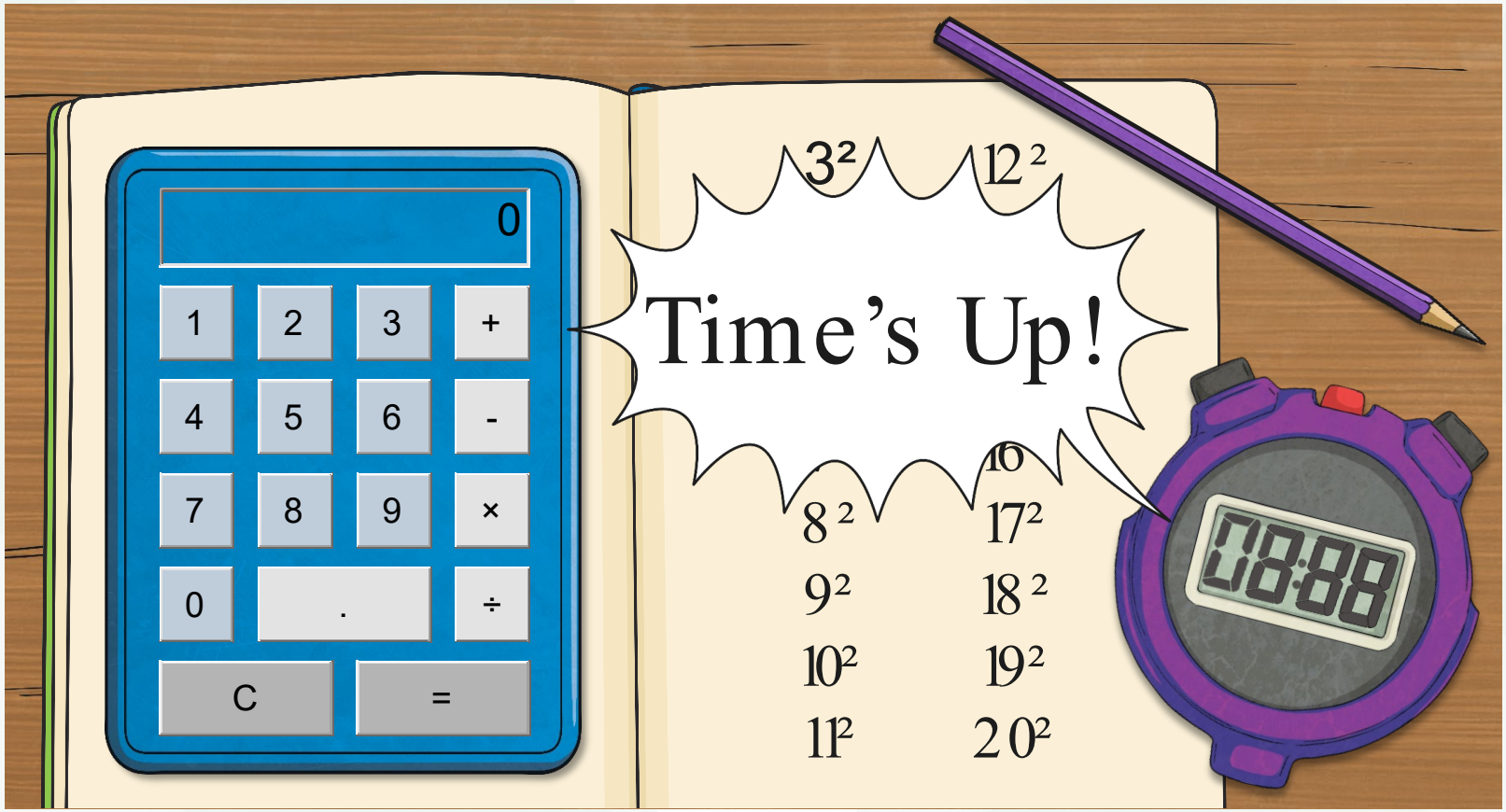
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Square Numbers

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Square Numbers

How many square numbers can you calculate in three minutes?
Check your answers using the calculator.



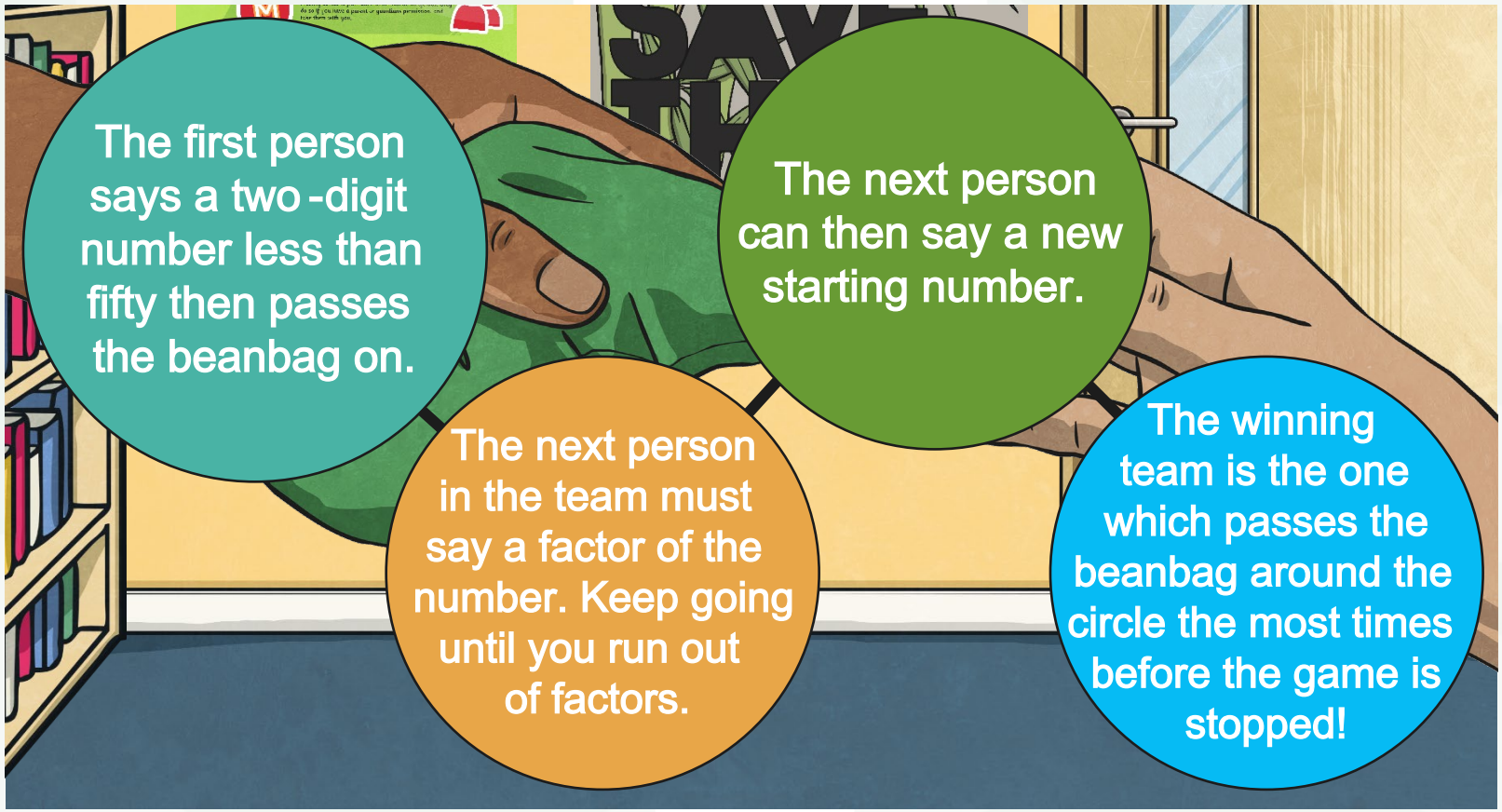
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Factor Race

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Factor Race

Stand in a circle.



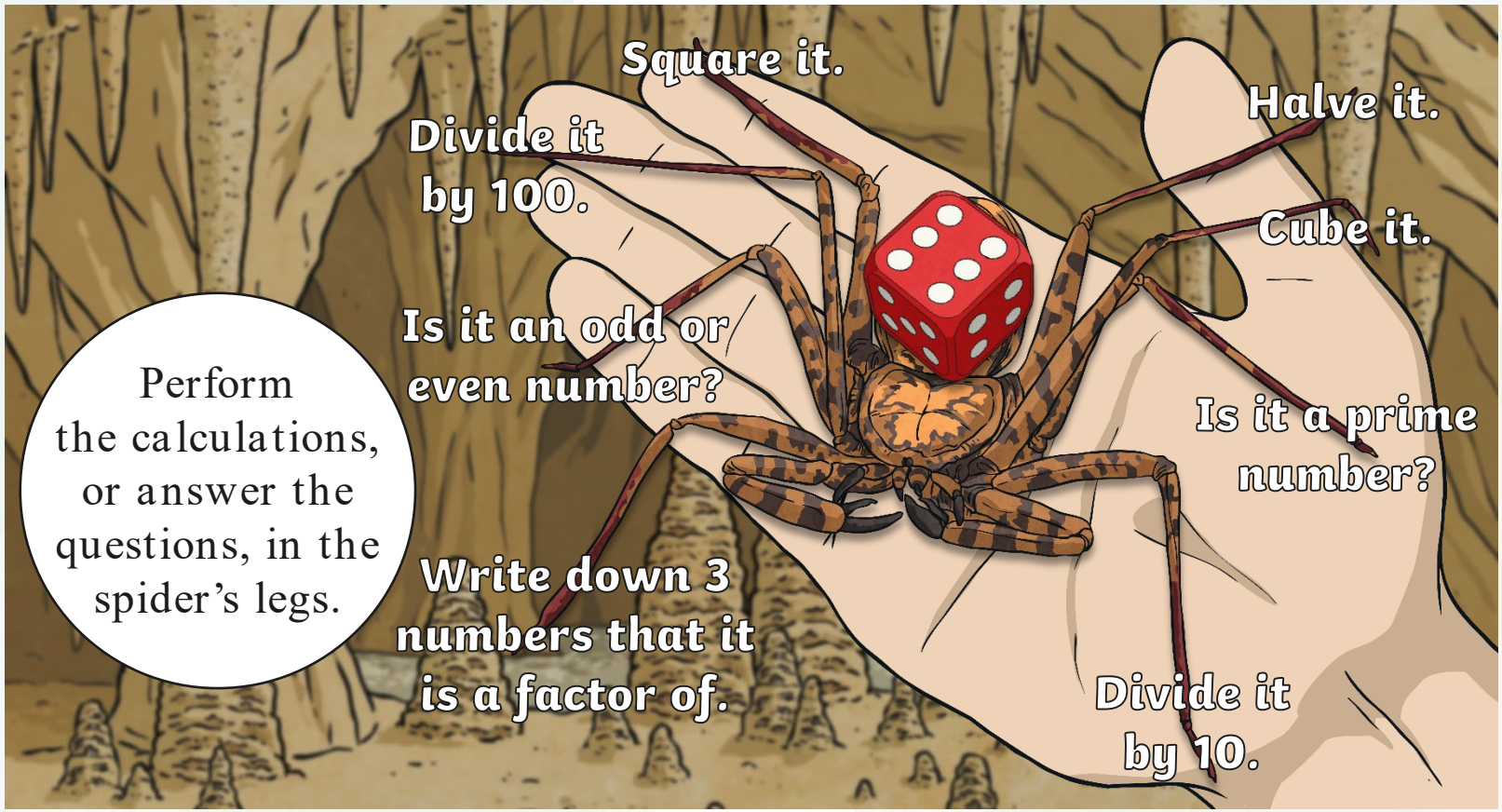
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Spiders

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Spiders

Roll a dice. This is the number that goes inside the spider.



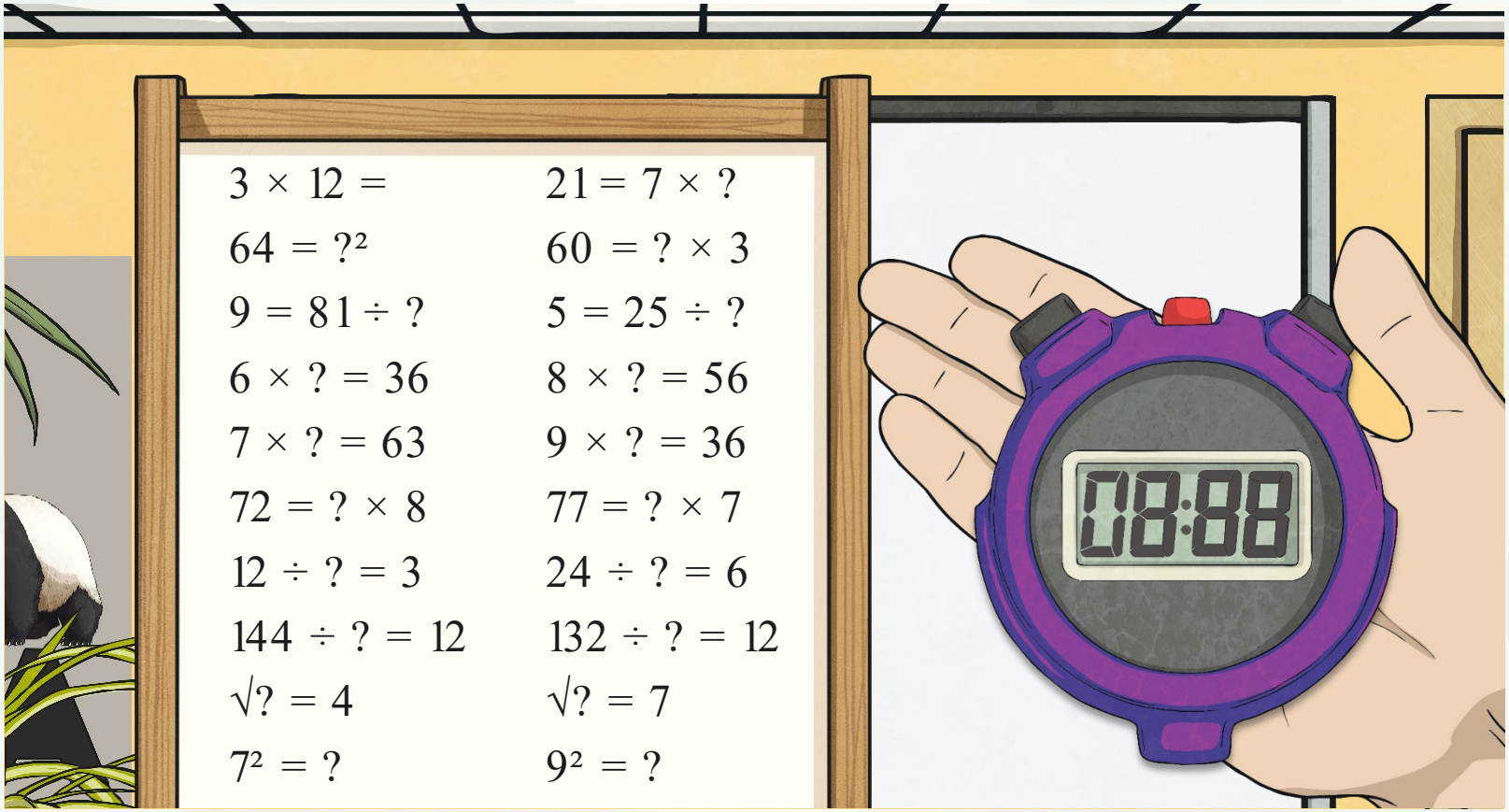
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Missing Numbers

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Missing Numbers

How many of these missing numbers can you find in three minutes?

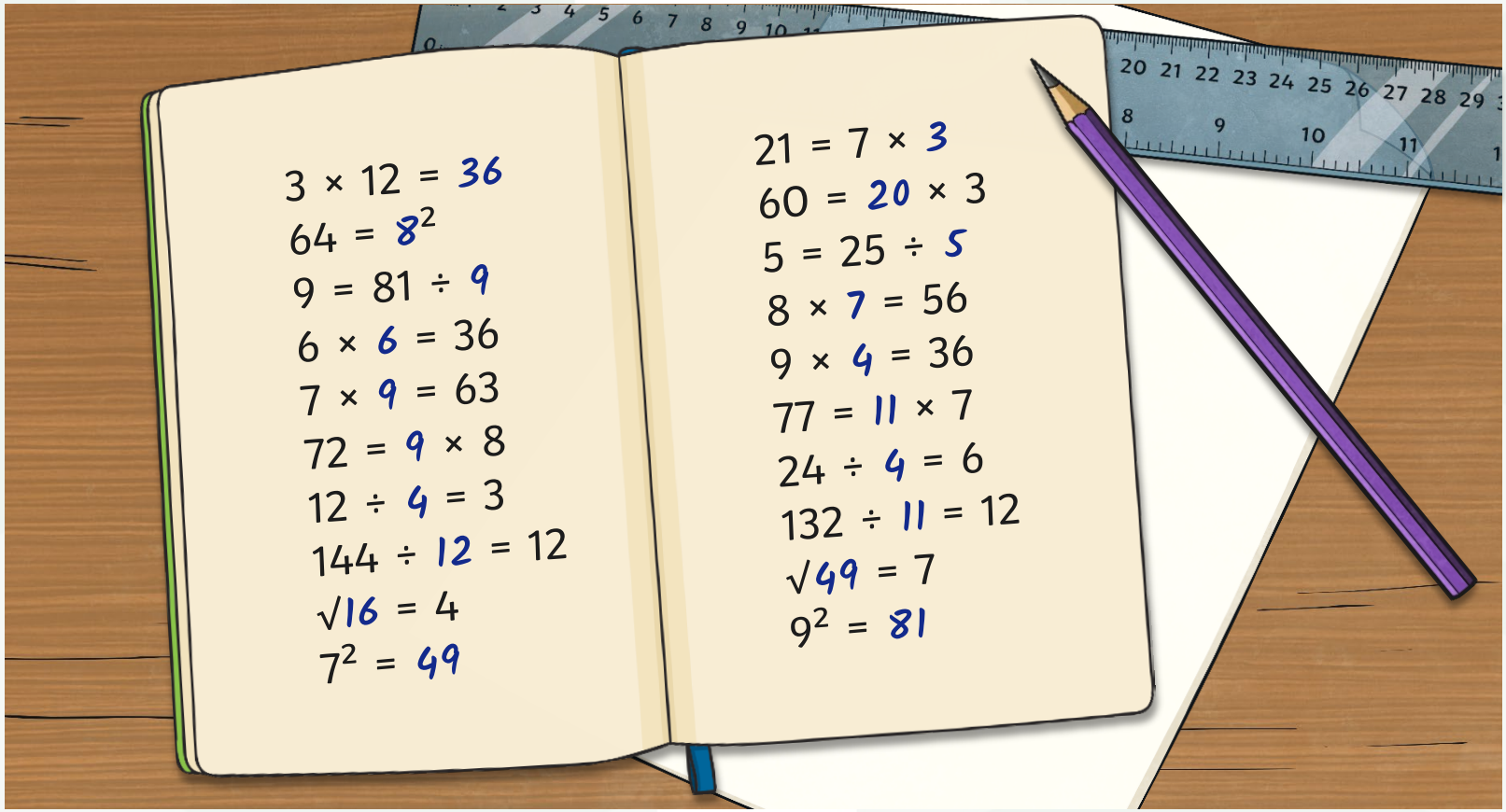


REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Missing Numbers Answers

How did you do?



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

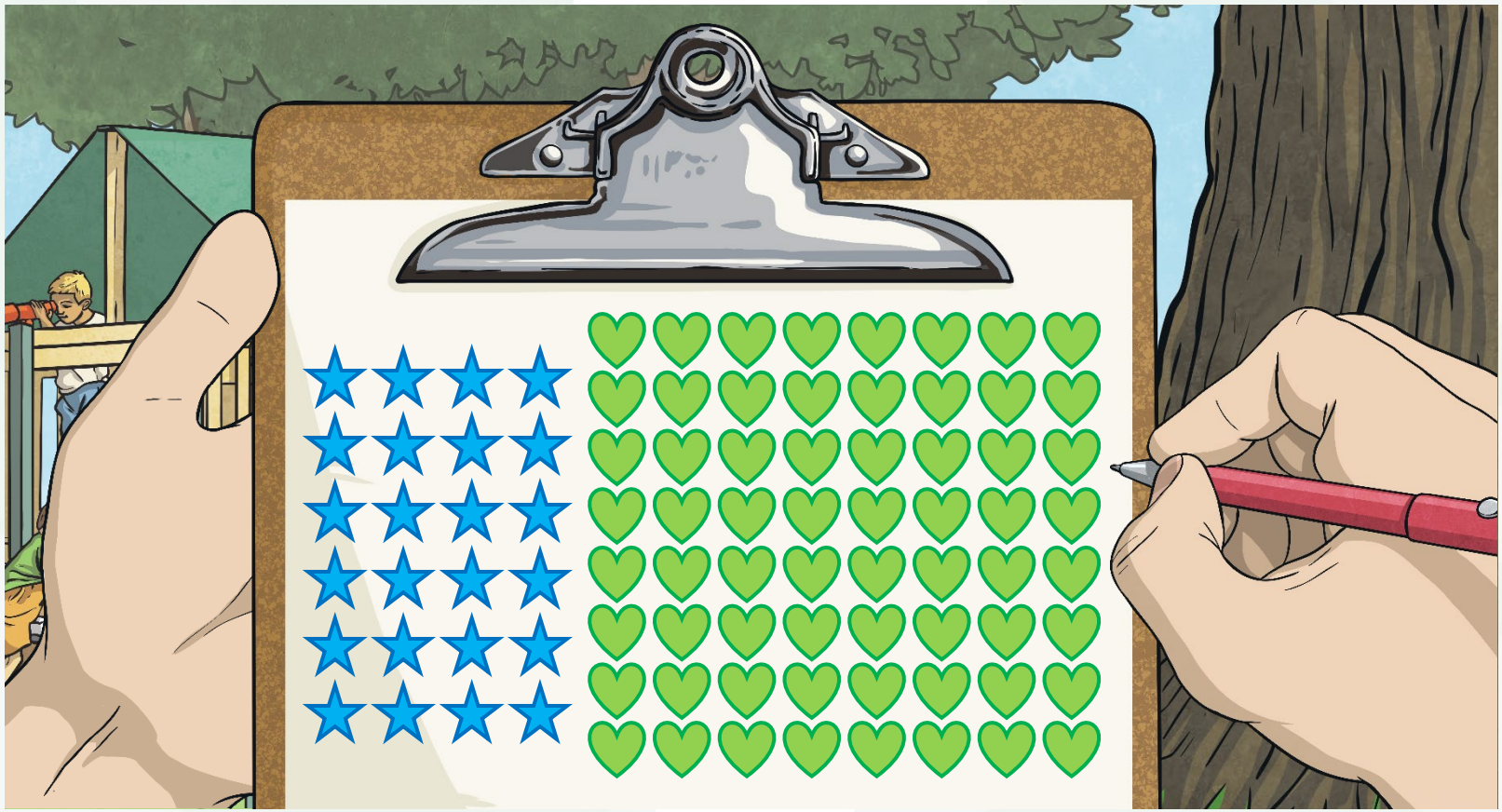
Arrays

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Arrays

How many different calculations can you write to describe these arrays? You can use the ×, ÷ and + signs.



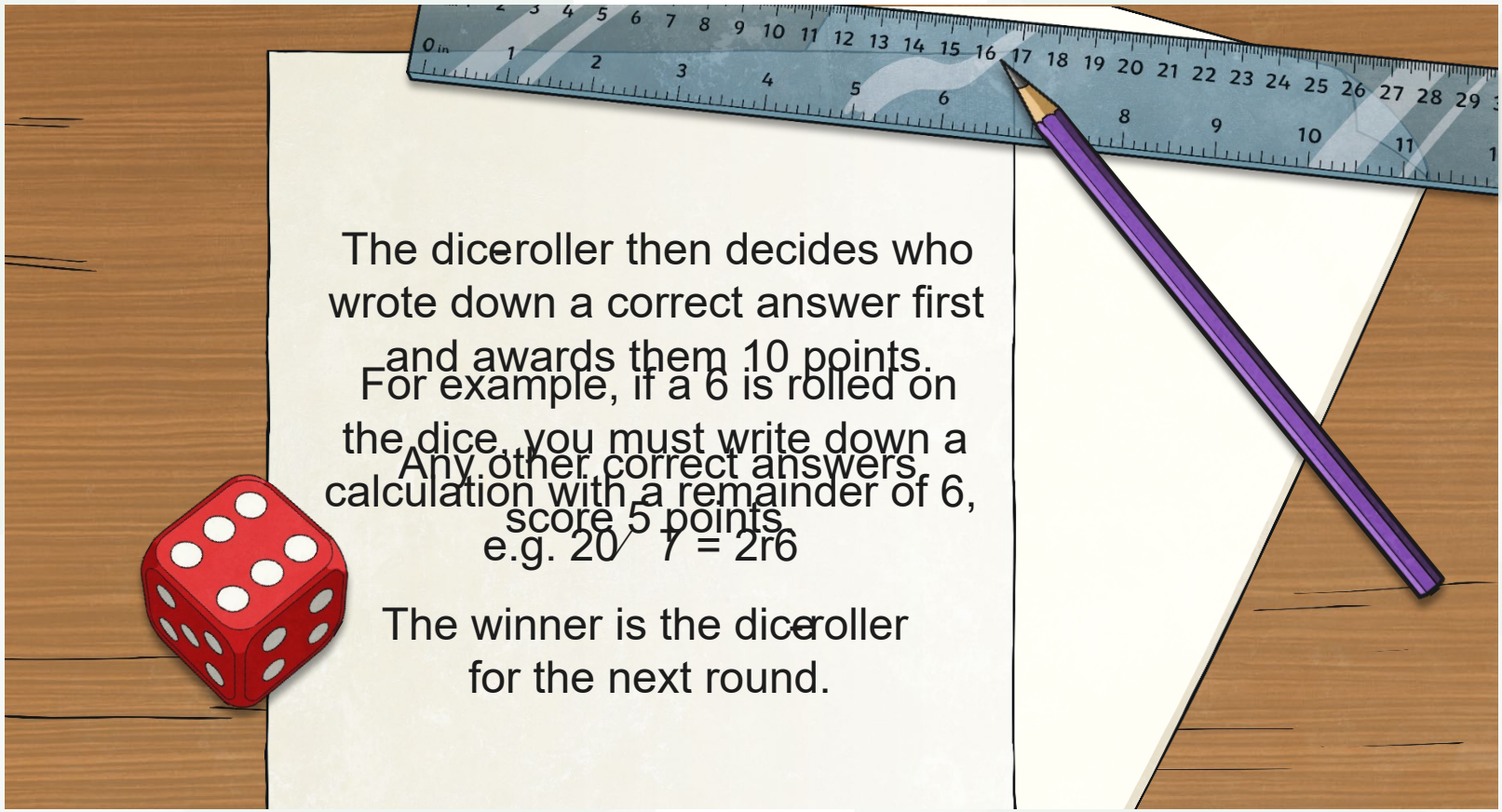
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Remainders

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Remainders

One player in the group rolls the dice. The other players must write down a division calculation with that remainder.



The diceroller then decides who wrote down a correct answer first and awards them 10 points.

For example, if a 6 is rolled on the dice, you must write down a calculation with a remainder of 6, e.g. 20 ÷ 7 = 2r6

Any other correct answers score 5 points.

The winner is the diceroller for the next round.

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Possibilities

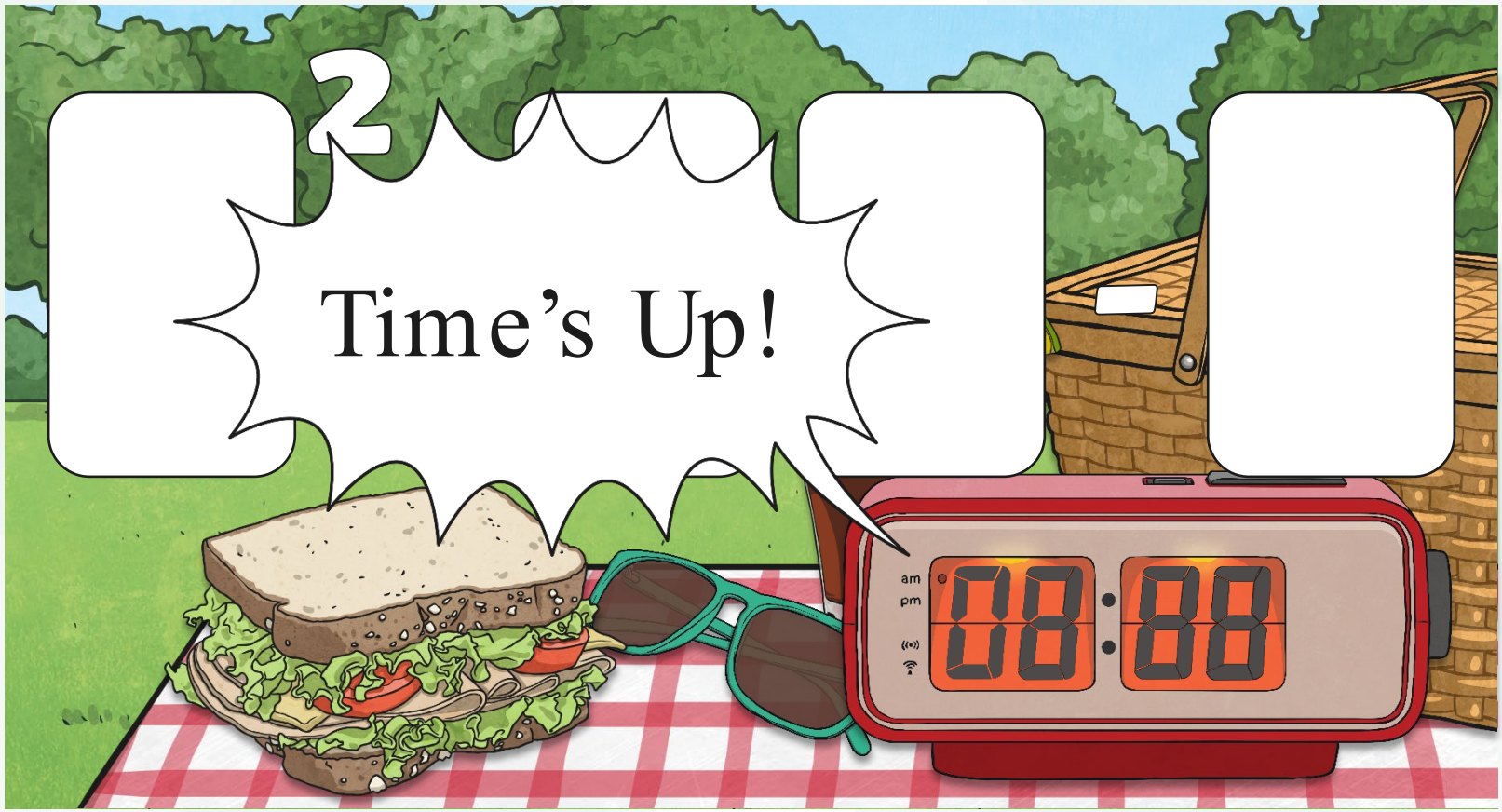
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Possibilities

Using one digit per box, how many different calculations can you think of to make this equation correct?

Click the clock for a three-minute countdown.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Keywords

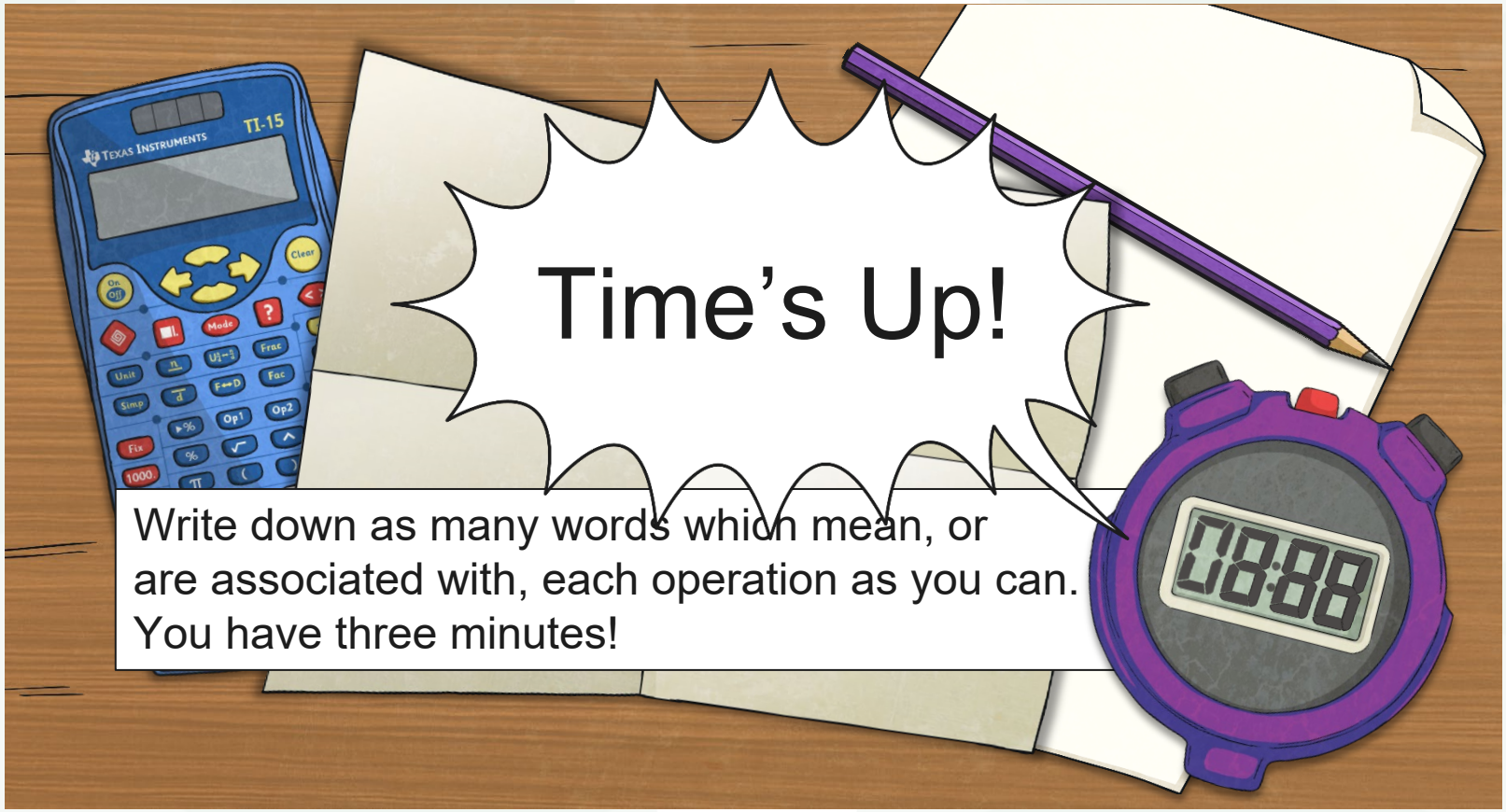
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Return to Contents

Keywords

Fold your piece of paper into quarters.

Write add, subtract, multiply and divide in different quarters.



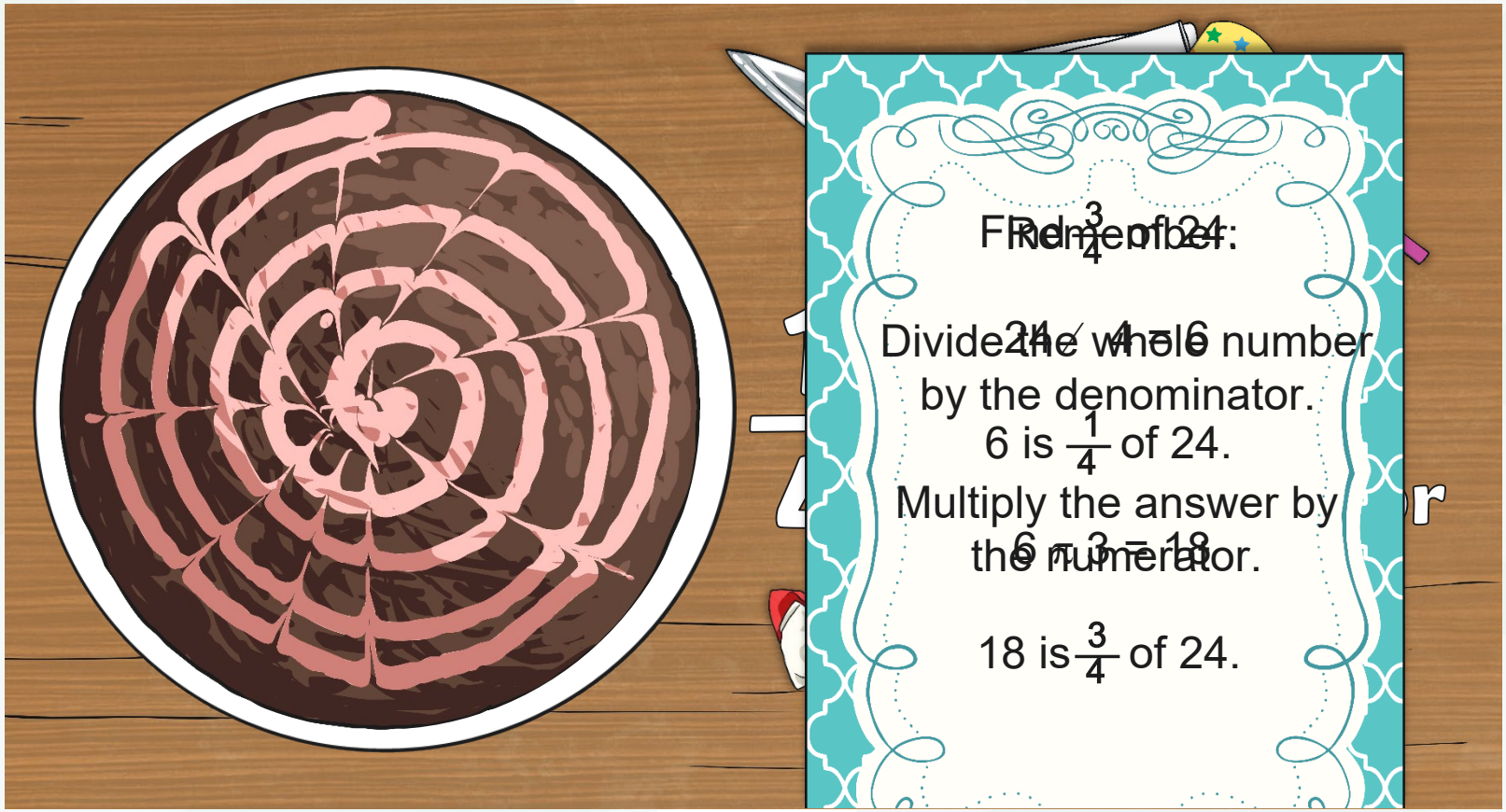
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Fantastic Fractions!

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Fantastic Fractions!

Work with a partner to calculate the fractions on the cards.



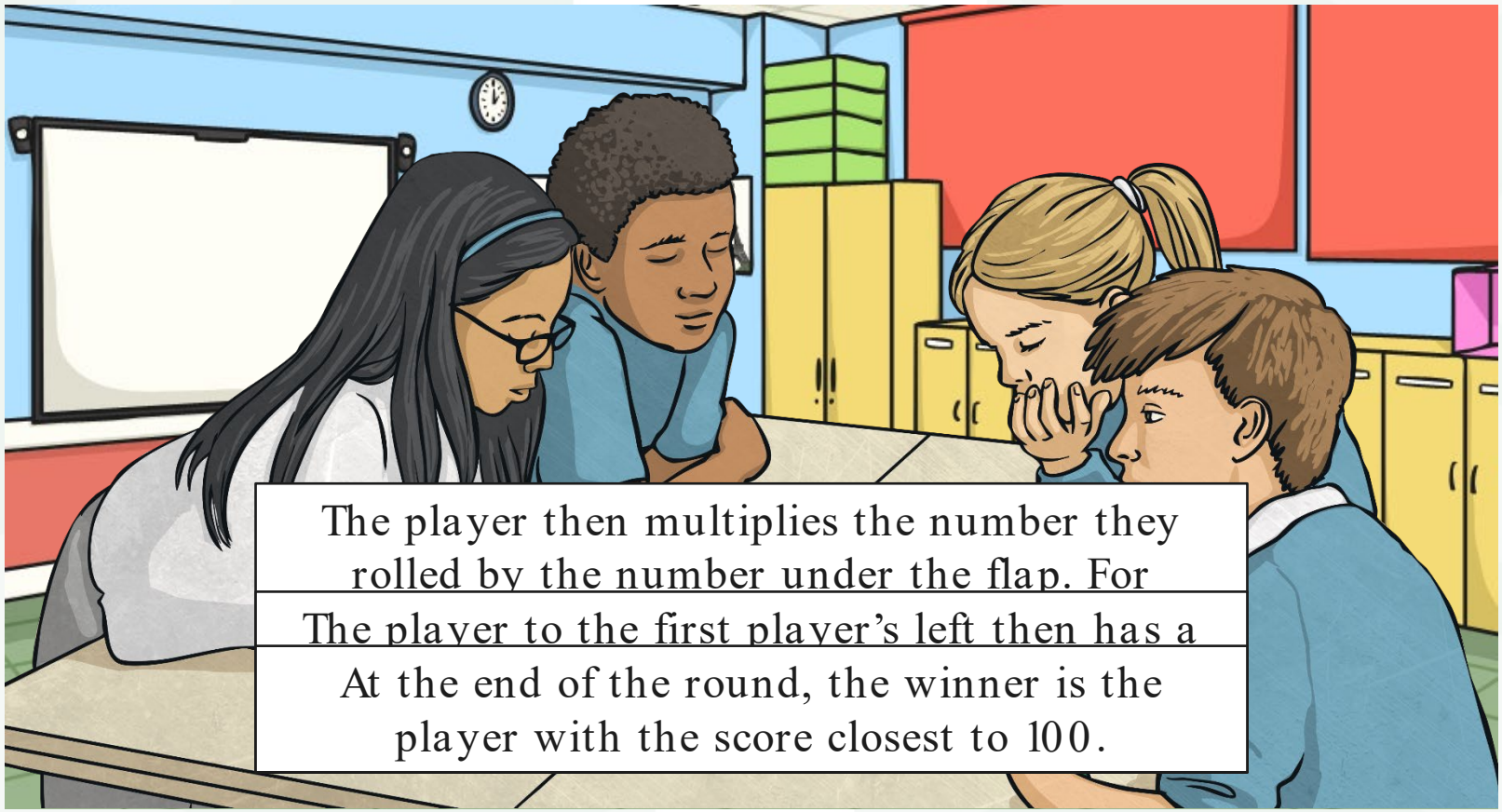
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Masterful Multiplication

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Masterful Multiplication

The oldest member of your group has the first turn and rolls the dice. They lift up a flap with that number on it.



The player then multiplies the number they rolled by the number under the flap. For

The player to the first player's left then has a

At the end of the round, the winner is the player with the score closest to 100.

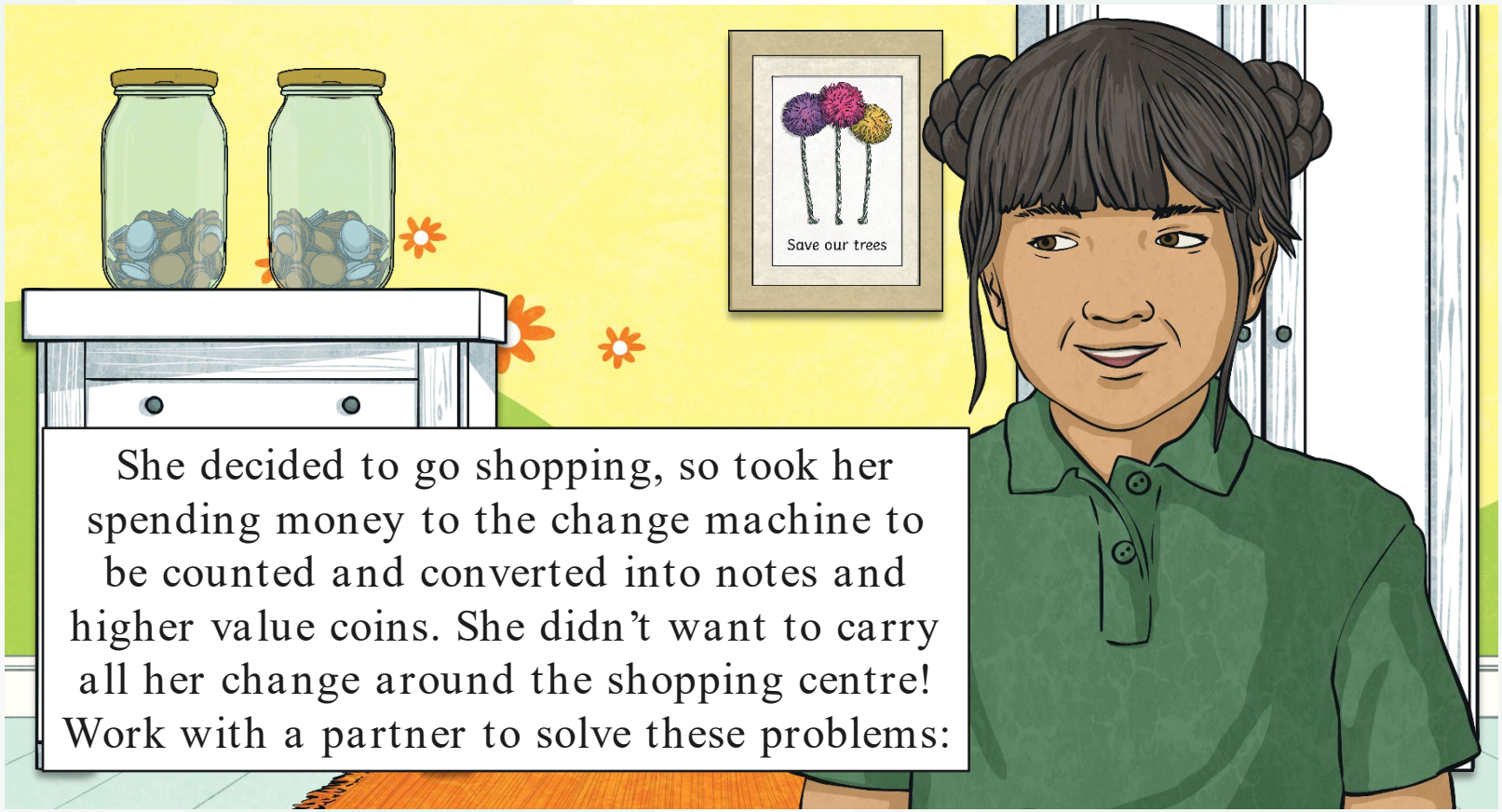
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Change Machine

REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Change Machine

Chen saved up her loose change in jars in her bedroom.

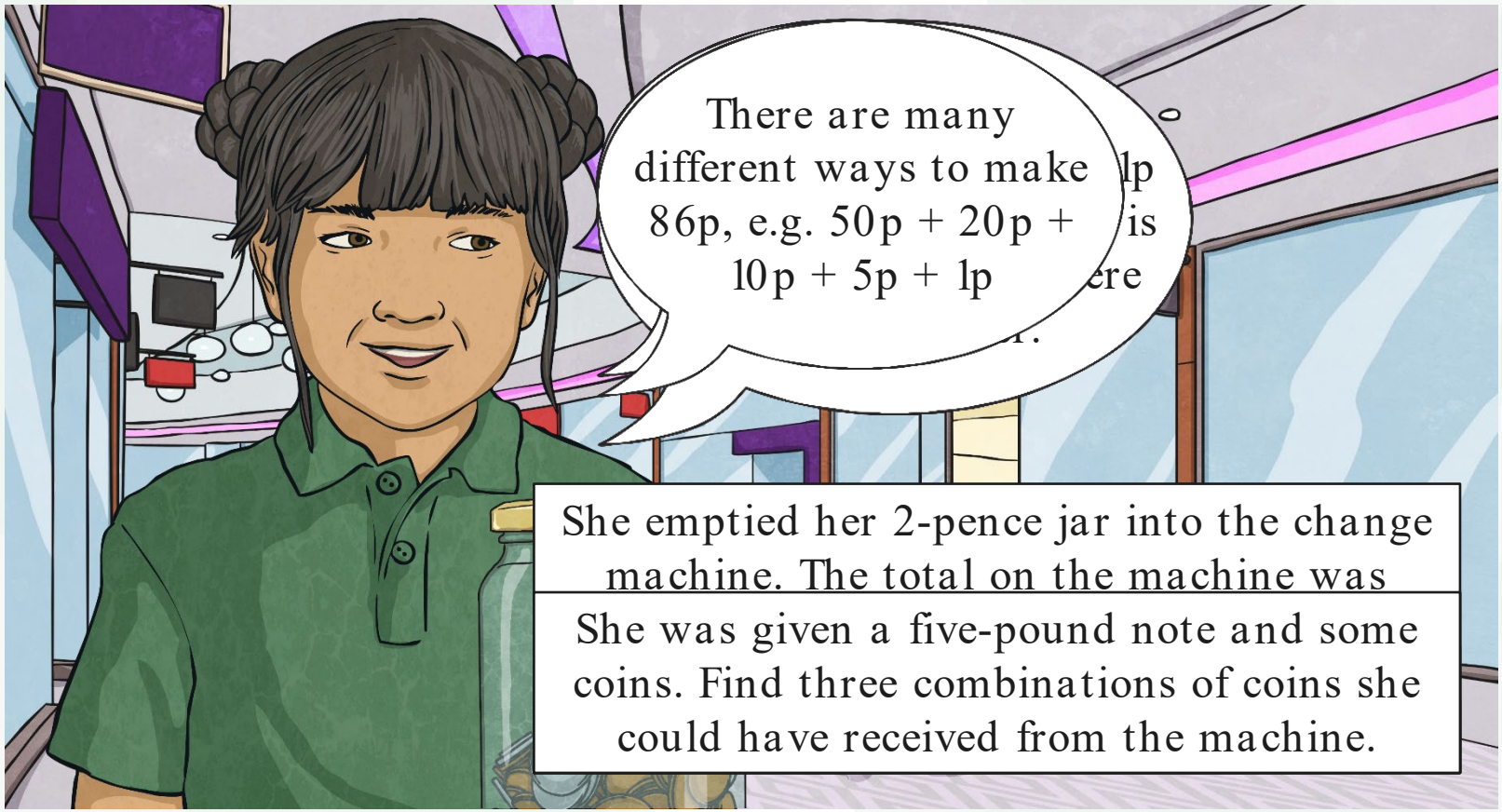


She decided to go shopping, so took her spending money to the change machine to be counted and converted into notes and higher value coins. She didn't want to carry all her change around the shopping centre! Work with a partner to solve these problems:

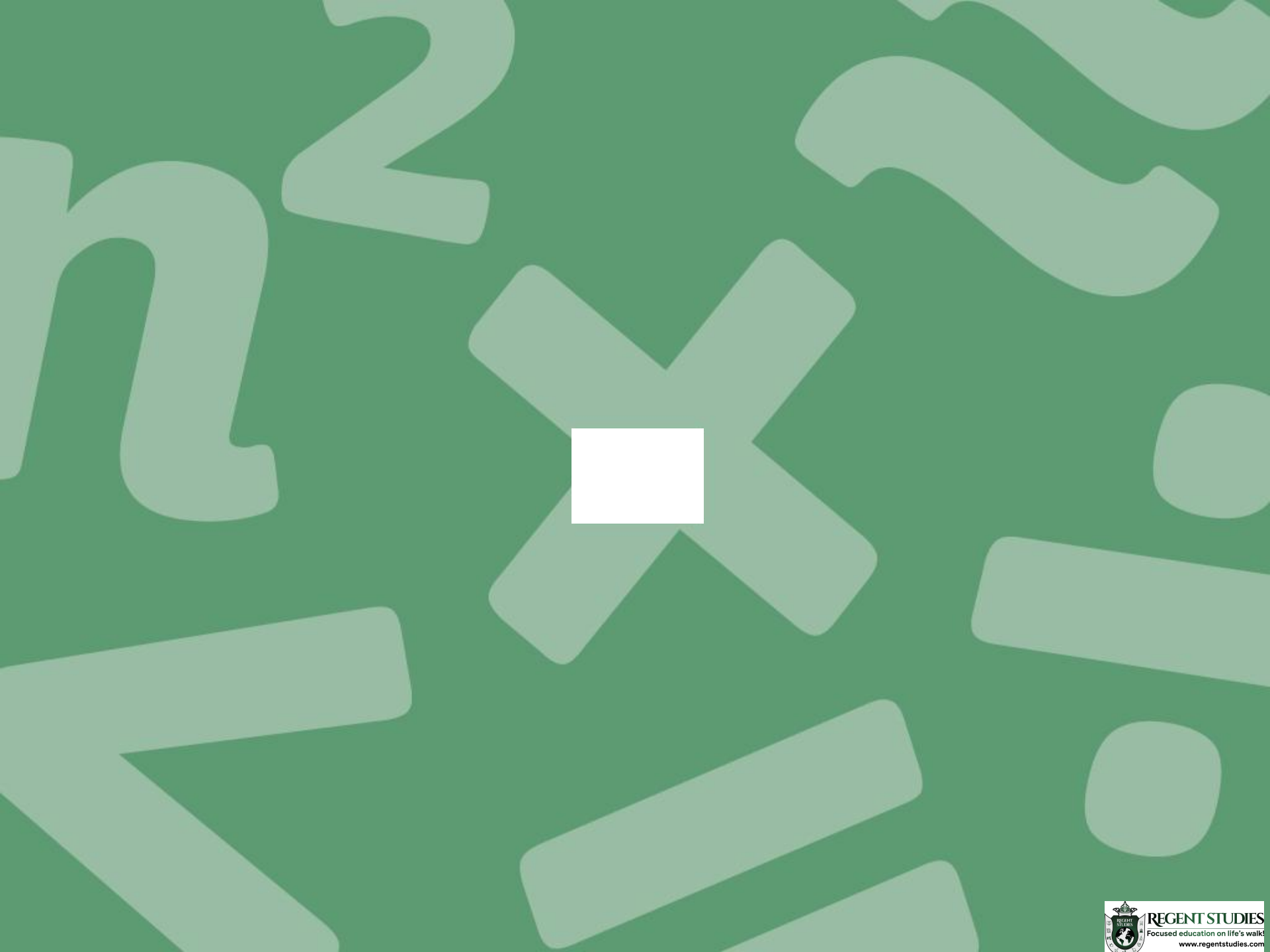
REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com

Change Machine

Chen is changing her money at the shopping centre.



REGENT STUDIES
Focused education on life's walk!
www.regentstudies.com



REGENT STUDIES
Focused education on life's walk
www.regentstudies.com