

# RECALL

Using a bar model, solve this problem.

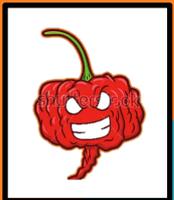
Ken is playing a game.

He has 4,289 points.

Then he scores another 355 points.

Ken's target is 6,000 points.

How many more points does Ken need to reach his target?



# RECALL ANSWERS

Using a bar model, solve this problem.

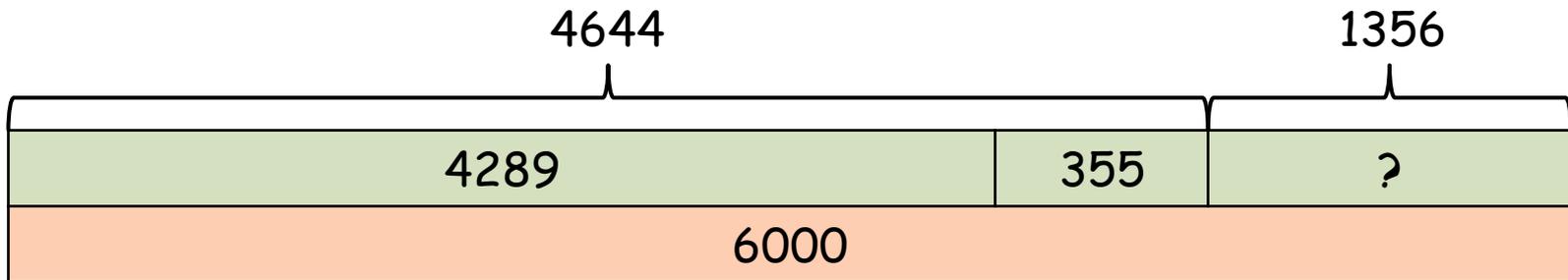
Ken is playing a game.

He has 4,289 points.

Then he scores another 355 points.

Ken's target is 6,000 points.

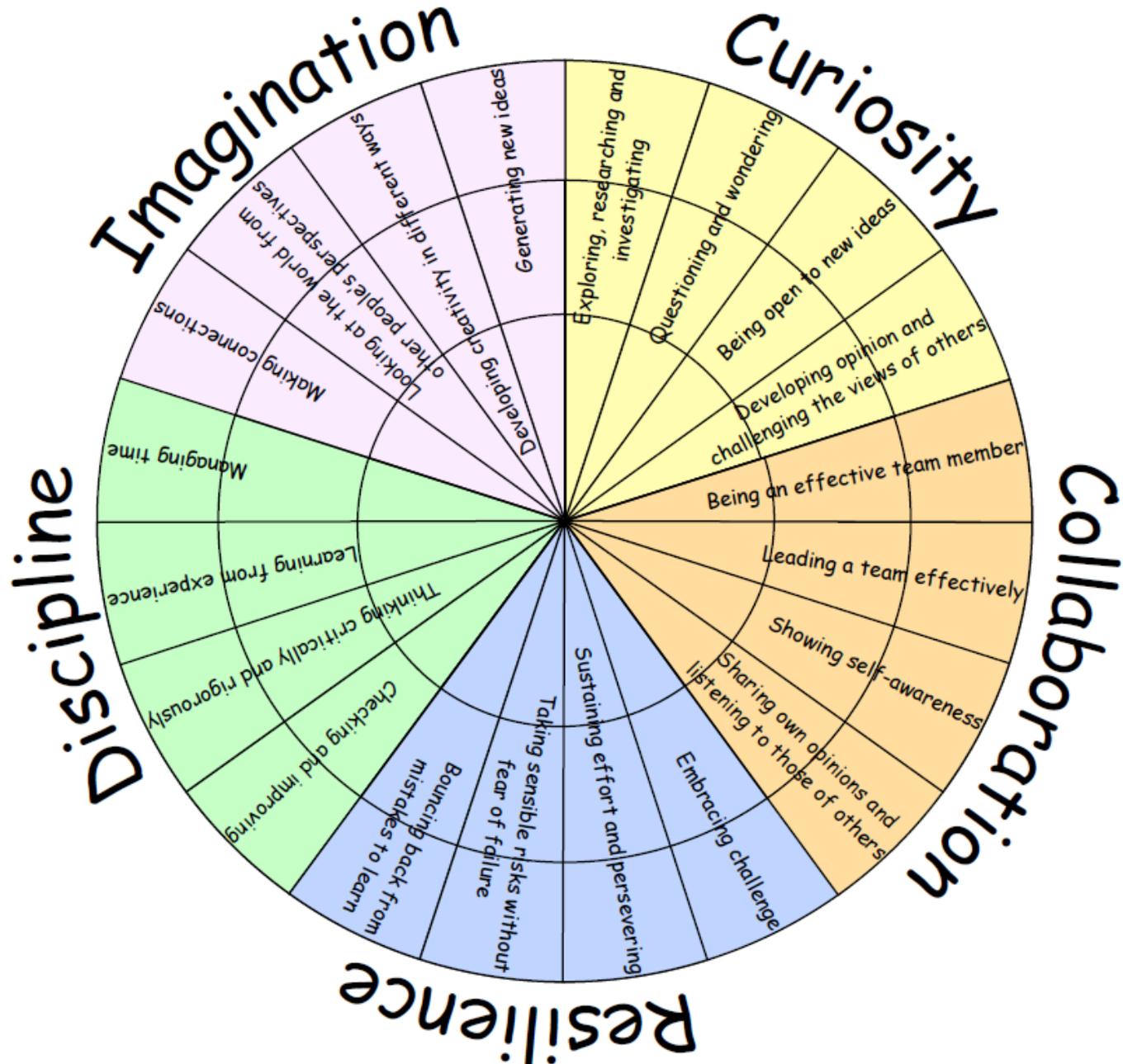
How many more points does Ken need to reach his target? **1356**



I CAN SOLVE ADDITION AND  
SUBTRACTION MULTI-STEP  
PROBLEMS IN CONTEXT,  
DECIDING WHICH  
OPERATIONS TO USE AND WHY

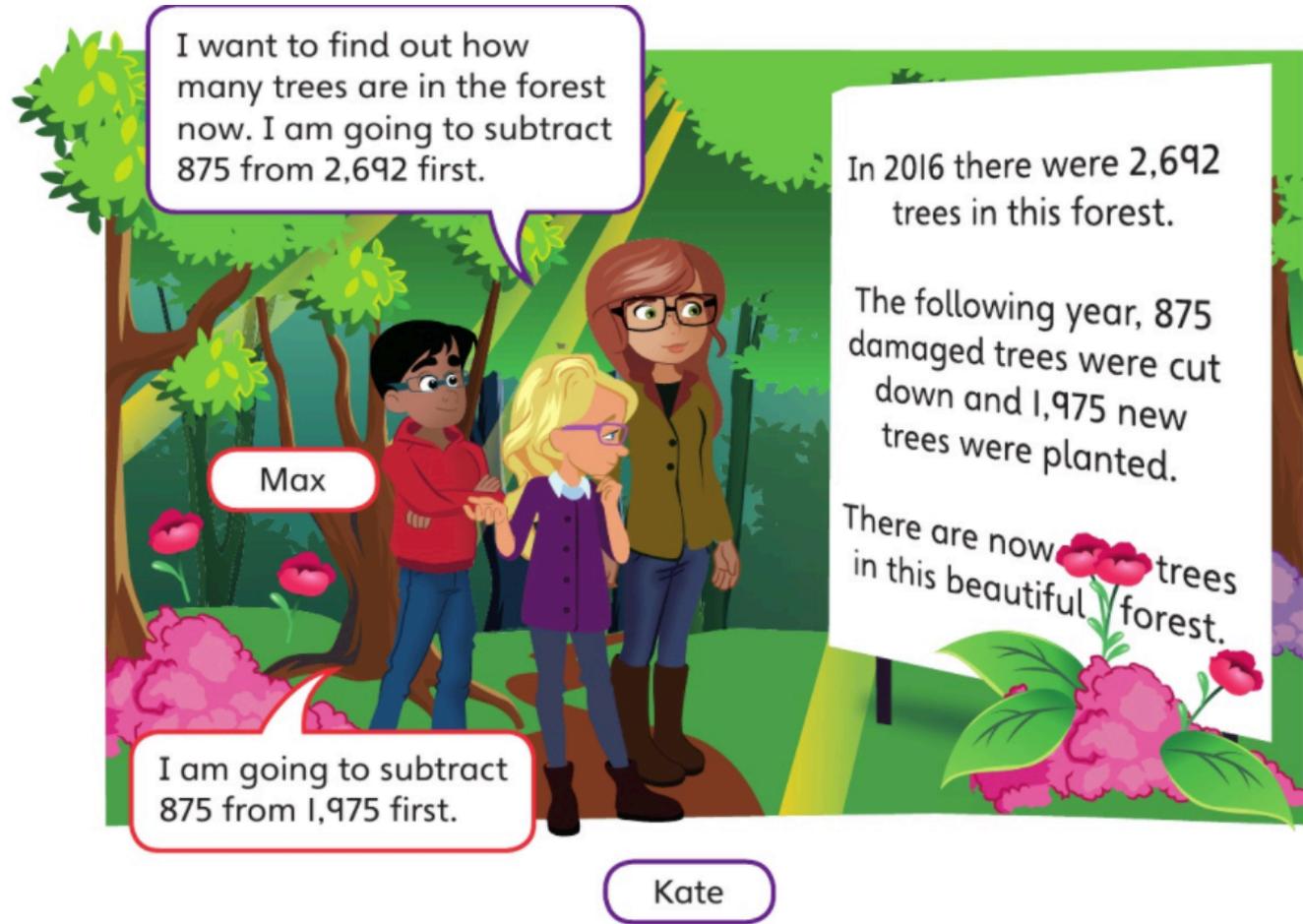
Problem Solving (18v)

# LEARNING HABITS?



# GUIDED PRACTICE

- 1) Use Kate's method to find the number of trees in the forest now.
- 2) Now use Max's method.
- 3) Why do you think Max is going to use this method?



Which method do you think is more efficient?

# DIVE DEEPER 1

1) On Tuesday morning, the number of visitors at an adventure park is 2,365.

In the afternoon, 1,790 more visitors arrive but 945 go home.

How many visitors are in the park now?

2) Max adds three numbers together. The total is 20,000.

The first number is 4,588.

The second number is 12,375.

What is the third number?

3) The Brown family sell cakes at the local fair.

In the morning, they sell 117 cakes.

In the afternoon, they sell 48 fewer cakes.

How many cakes do they sell in total?

# DIVE DEEPER 1 ANSWERS

1) On Tuesday morning, the number of visitors at an adventure park is 2,365.

In the afternoon, 1,790 more visitors arrive but 945 go home.

How many visitors are in the park now? **3210**

2) Max adds three numbers together. The total is 20,000.

The first number is 4,588.

The second number is 12,375.

What is the third number? **3037**

3) The Brown family sell cakes at the local fair.

In the morning, they sell 117 cakes.

In the afternoon, they sell 48 fewer cakes.

How many cakes do they sell in total? **186**

# DIVE DEEPER 2

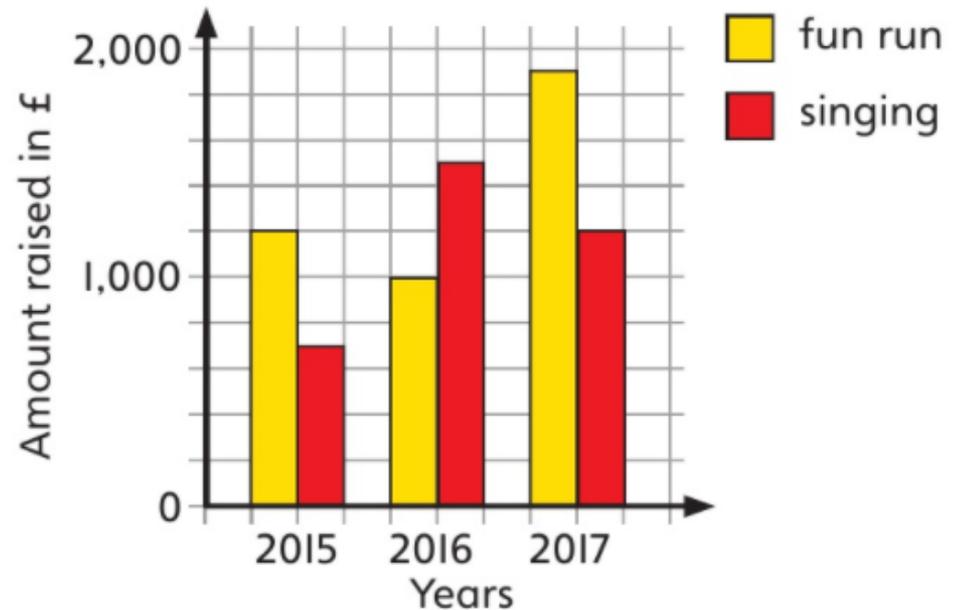
4) The bar chart shows the amount of money raised by a fun run and a singing competition over three years.

a) How much more money was raised in total in 2017 than in 2015?

£\_\_\_\_\_ more was raised in 2017 than in 2015.

b) What is the difference between the total raised over three years from fun runs and the total raised from singing competitions?

The difference is £\_\_\_\_\_.



5) Find the missing digits to complete these calculations.

a)

$$\begin{array}{r}
 \text{TTh Th H T O} \\
 \hline
 \phantom{+} \phantom{0} 5 \phantom{0} 3 \phantom{0} 6 \\
 + \phantom{0} \phantom{0} \phantom{0} 5 \phantom{0} \phantom{0} 9 \\
 \hline
 1 \phantom{0} 1 \phantom{0} \phantom{0} 0 \phantom{0} 3
 \end{array}$$

b)

$$\begin{array}{r}
 \text{T O} \cdot \text{Tth Hth} \\
 \hline
 6 \phantom{0} \cdot 8 \\
 - 2 \phantom{0} 3 \cdot \phantom{0} 6 \\
 \hline
 6 \phantom{0} \cdot 2 \phantom{0} 9
 \end{array}$$



# DIVE DEEPER 3

6) Find the value of each shape.

$$1250 - \triangle + \triangle = \text{pentagon}$$

$$1000 + \triangle = 1600 - \square$$

$$700 = \square + \square$$

Explain how you solved this problem.

7) Aki buys a rubber and a pen from the school shop.

He pays £1.10.

Jamie buys 1 rubber and 2 pens from the school shop.

She pays £1.75.

How much does a rubber cost?

# DIVE DEEPER 3

6) Find the value of each shape.

$$1250 - \triangle + \triangle = \text{pentagon}$$

$$1000 + \triangle = 1600 - \square$$

$$700 = \square + \square$$

$$\square = 350$$

$$\triangle = 250$$

$$\text{pentagon} = 1250$$

Explain how you solved this problem.

7) Aki buys a rubber and a pen from the school shop.

He pays £1.10.

Jamie buys 1 rubber and 2 pens from the school shop.

She pays £1.75.

How much does a rubber cost? **45p**