

## Branching Method

### GUIDED EXAMPLE 1

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Sonia had a certain number of stamps.

She gave  $\frac{1}{7}$  of her stamps to her friend.

She then gave  $\frac{2}{5}$  of her remaining stamps to her sister.

Her uncle gave her another 27 stamps and she found that she had 1017 stamps.

How many stamps did Sonia have at first?

(Red Swastika Sch/ P6 SA1/Paper2/Q12)

### GUIDED EXAMPLE 2

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Dave spent 40% of his money and additional \$9 on a remote control car.

He then spent  $\frac{1}{3}$  of the remaining money and additional \$6 on some batteries.

Given that he had \$24 left, how much money he had at first?

## Facebook Live 2019 #8

### GUIDED EXAMPLE 3

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Farmer Dan harvested some apples.

He sold to Adam  $\frac{3}{4}$  of the apples and another 105 apples.

He sold to Geraldine  $\frac{3}{4}$  of the remainder but took back 55 apples.

Farmer Dan had 890 apples left.

a) How many apples did Geraldine have after returning 55 apples to Farmer Dan?

b) How many apples did Farmer Dan harvest?

(Rosyth Sch/ P6 CA1/Paper2/Q17)

### GUIDED EXAMPLE 4

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Marie had a box of cookies.

On the first day, she ate  $\frac{1}{4}$  of her cookies and gave 30 cookies to her neighbour.

On the second day, she ate  $\frac{1}{3}$  of the remaining cookies and gave 20 cookies to her brother.

On the third day, she ate  $\frac{1}{2}$  of the remaining cookies and gave 10 cookies to her sister.

In the end, Marie is left with 10 cookies. How many cookies did she have at first?

(Elias Park Pri/P5 SA2/Q47)