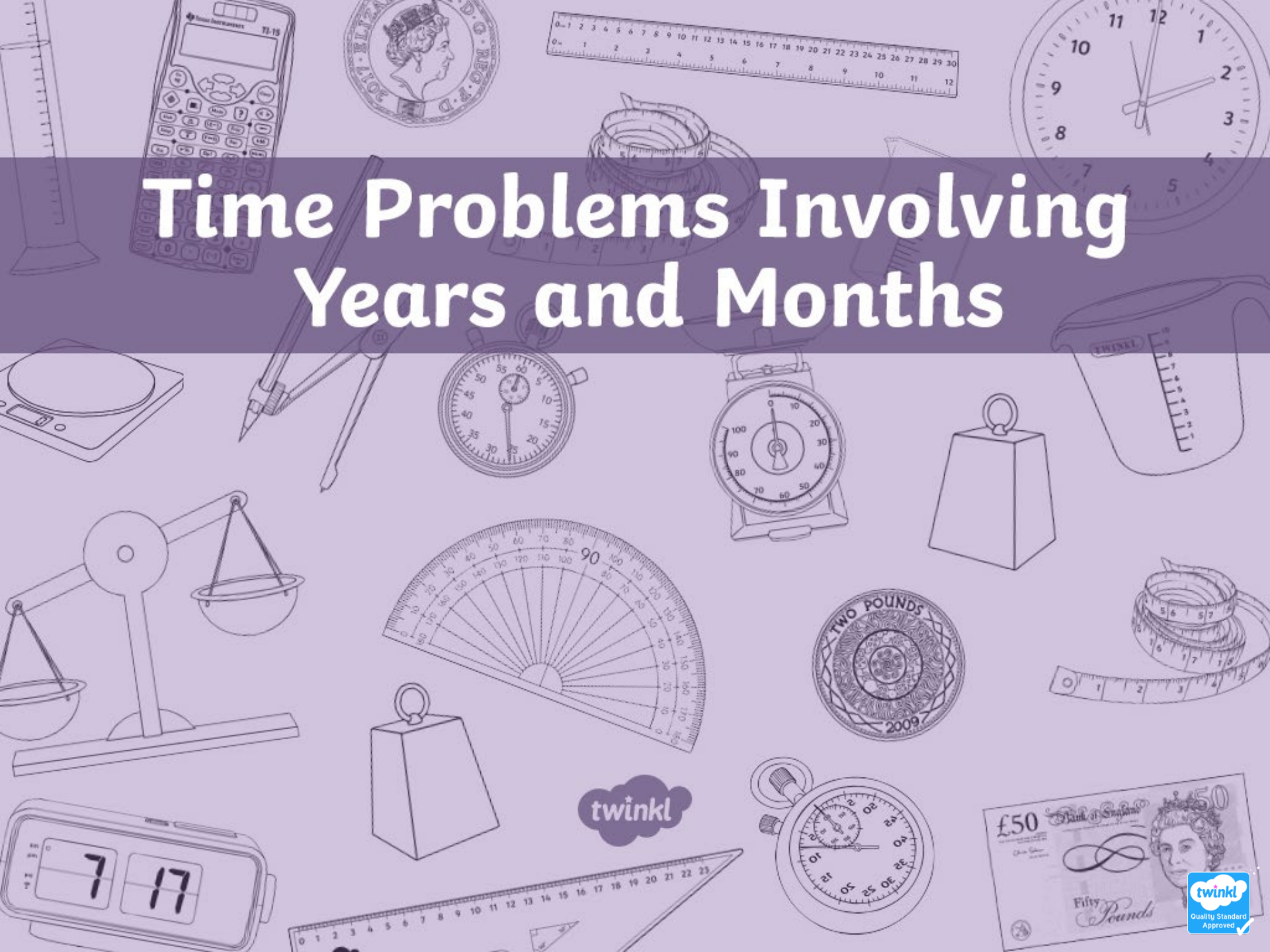


# Time Problems Involving Years and Months



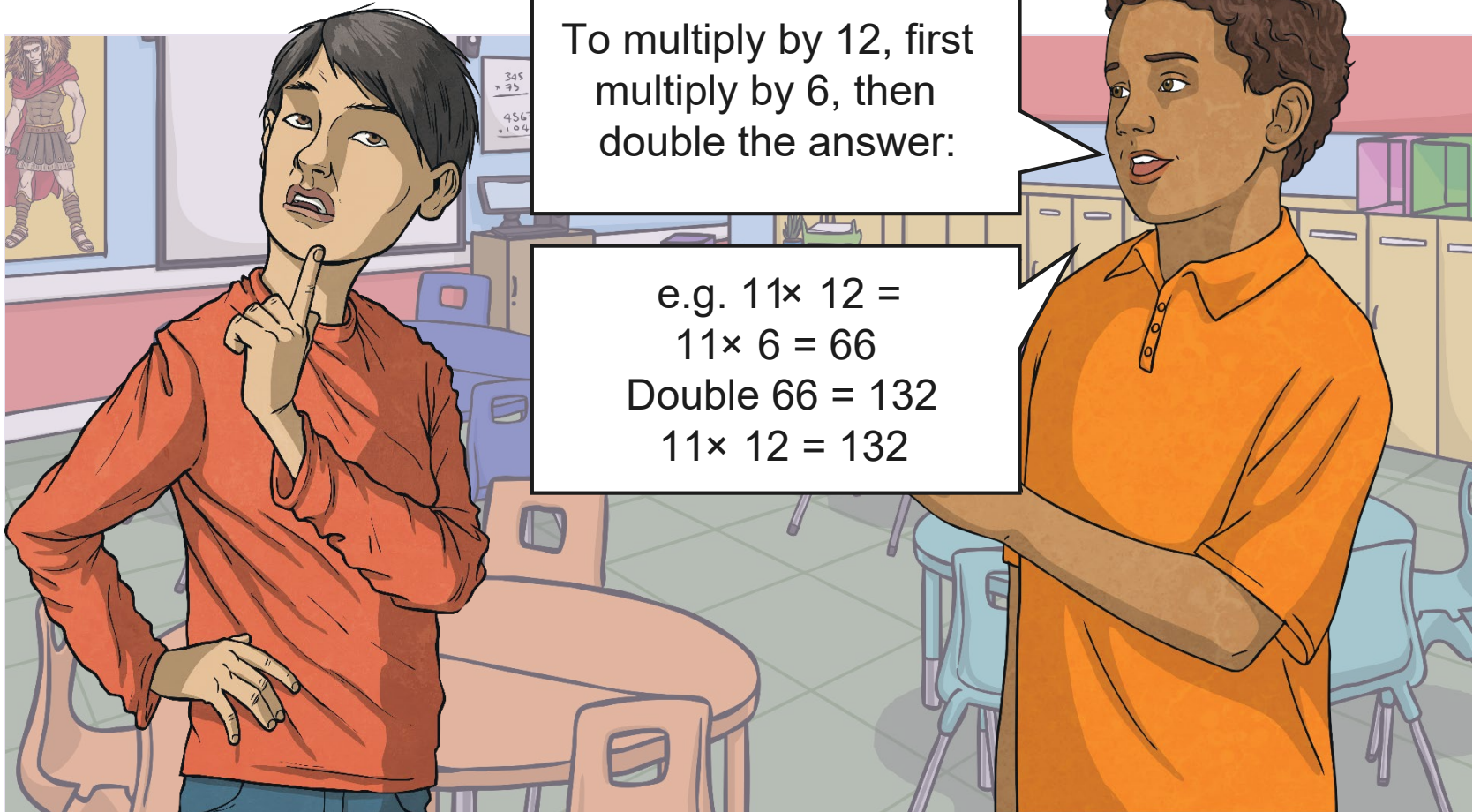
twinkl

# Multiply by 12



To multiply by 12, first  
multiply by 6, then  
double the answer:

$$\begin{aligned} \text{e.g. } 11 \times 12 &= \\ 11 \times 6 &= 66 \\ \text{Double } 66 &= 132 \\ 11 \times 12 &= 132 \end{aligned}$$





# Multiply by 12



$$8 \times 12 =$$

$$6 \times 12 =$$

$$4 \times 12 =$$

$$3 \times 12 =$$

$$7 \times 12 =$$

$$10 \times 12 =$$

$$9 \times 12 =$$

$$5 \times 12 =$$

# Multiply by 12



$$8 \times 12 = 96$$

$$6 \times 12 = 72$$

$$4 \times 12 = 48$$

$$3 \times 12 = 36$$

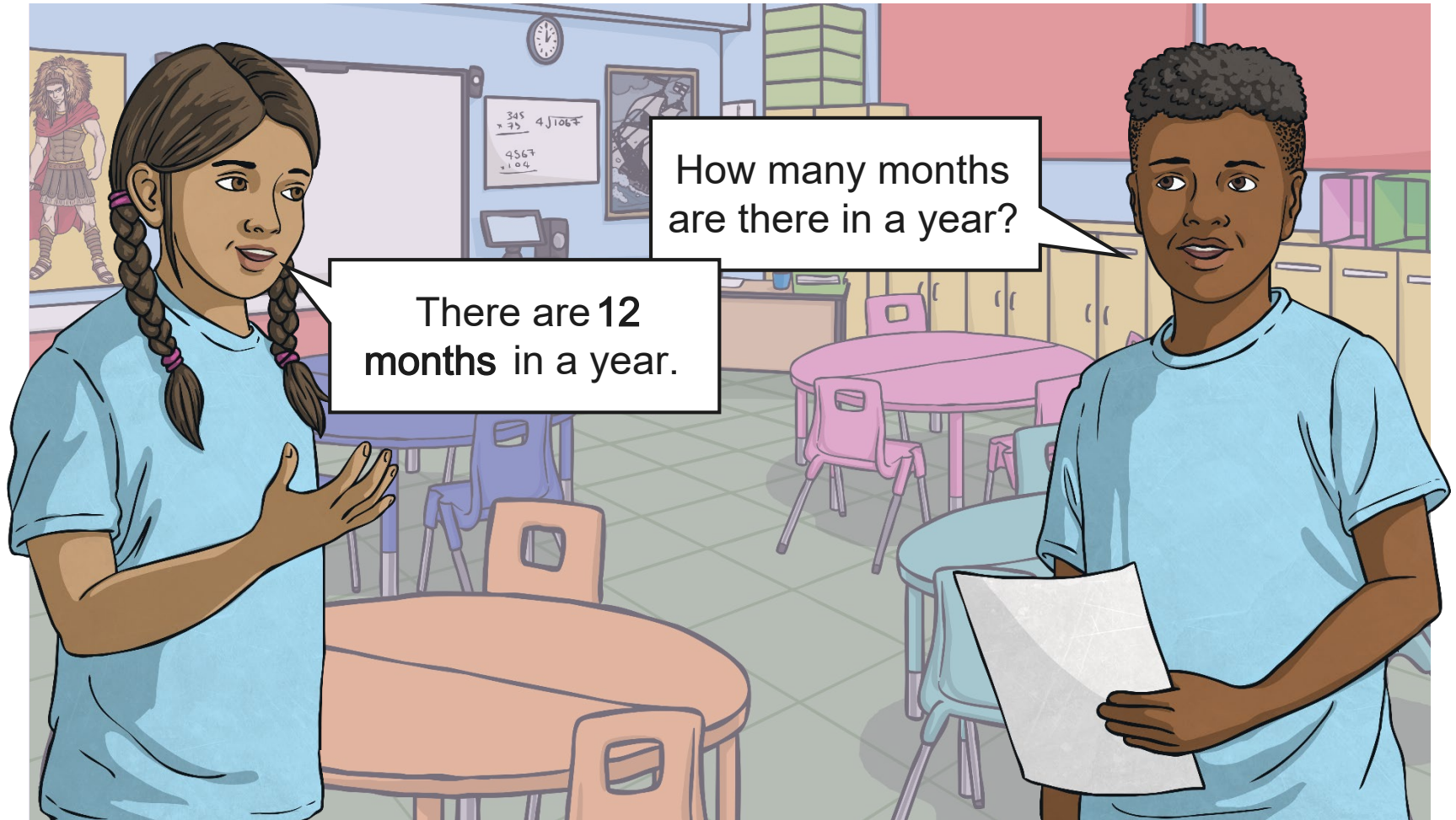
$$7 \times 12 = 84$$

$$10 \times 12 = 120$$

$$9 \times 12 = 108$$

$$5 \times 12 = 60$$

# Years to Months



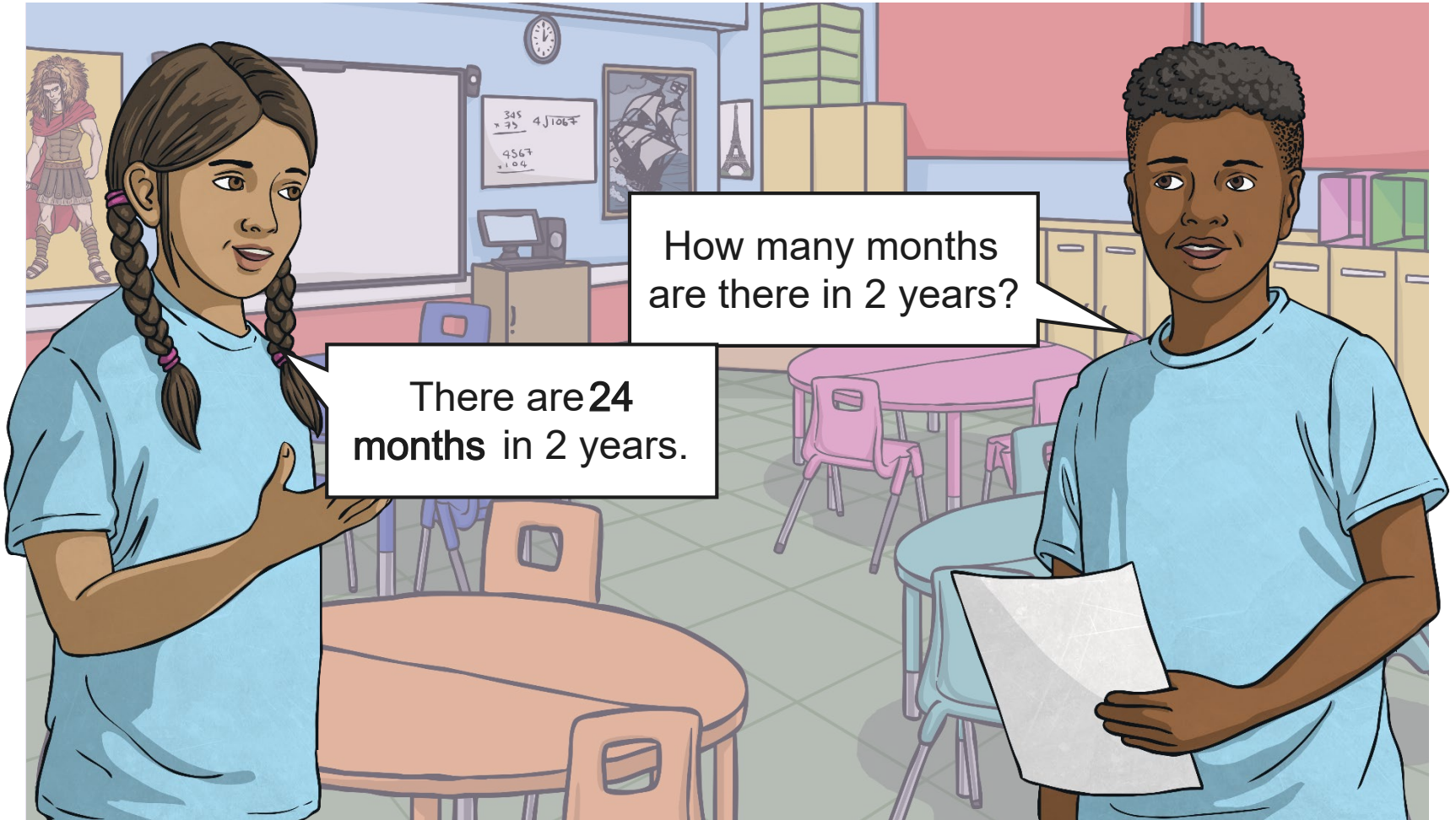


# Years to Months

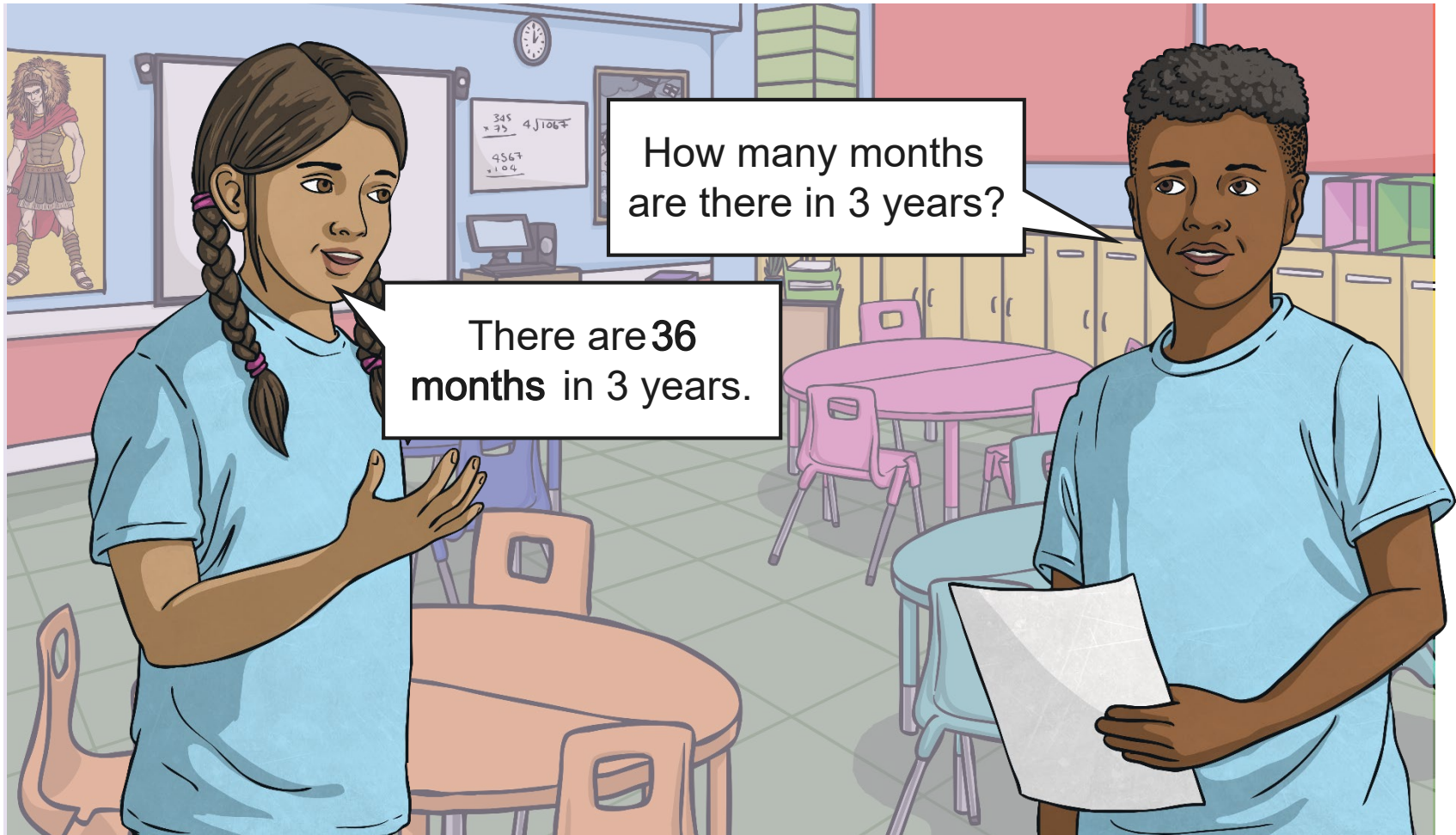


How many months  
are there in 2 years?

There are **24**  
months in 2 years.



# Years to Months



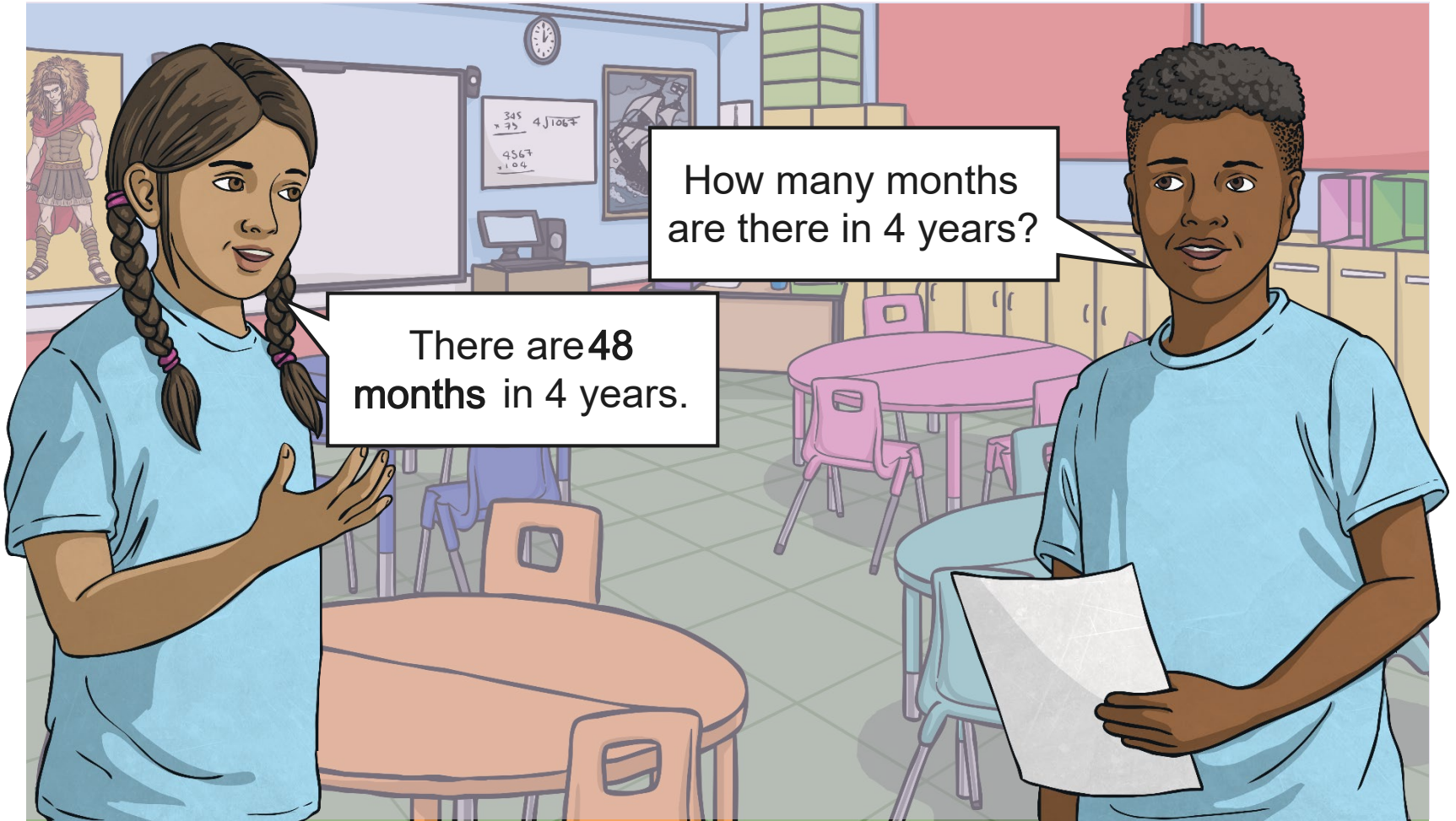


# Years to Months



How many months  
are there in 4 years?

There are 48  
months in 4 years.



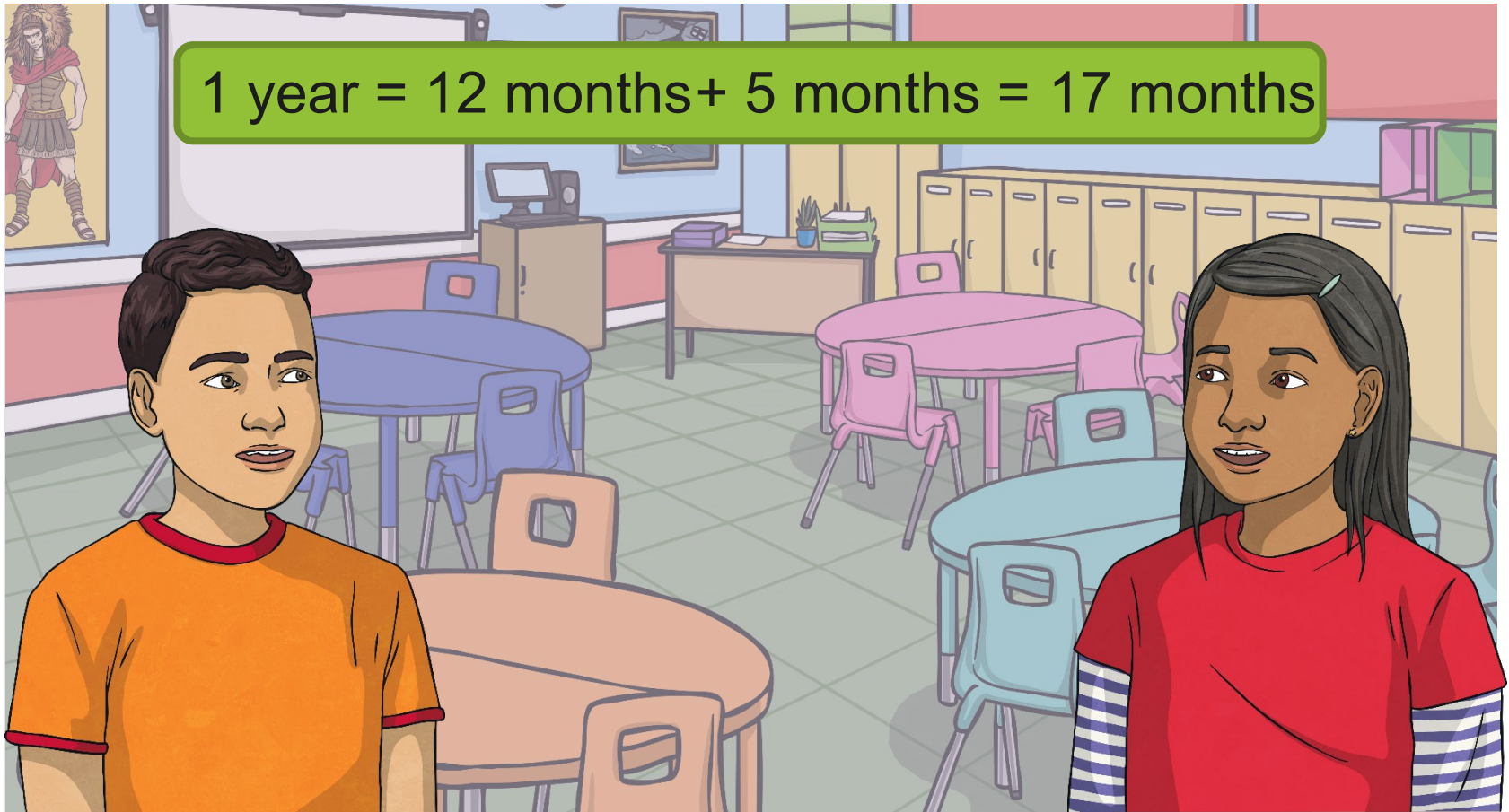


# Years to Months



How many months are there in 1 year and 5 months?

$1 \text{ year} = 12 \text{ months} + 5 \text{ months} = 17 \text{ months}$

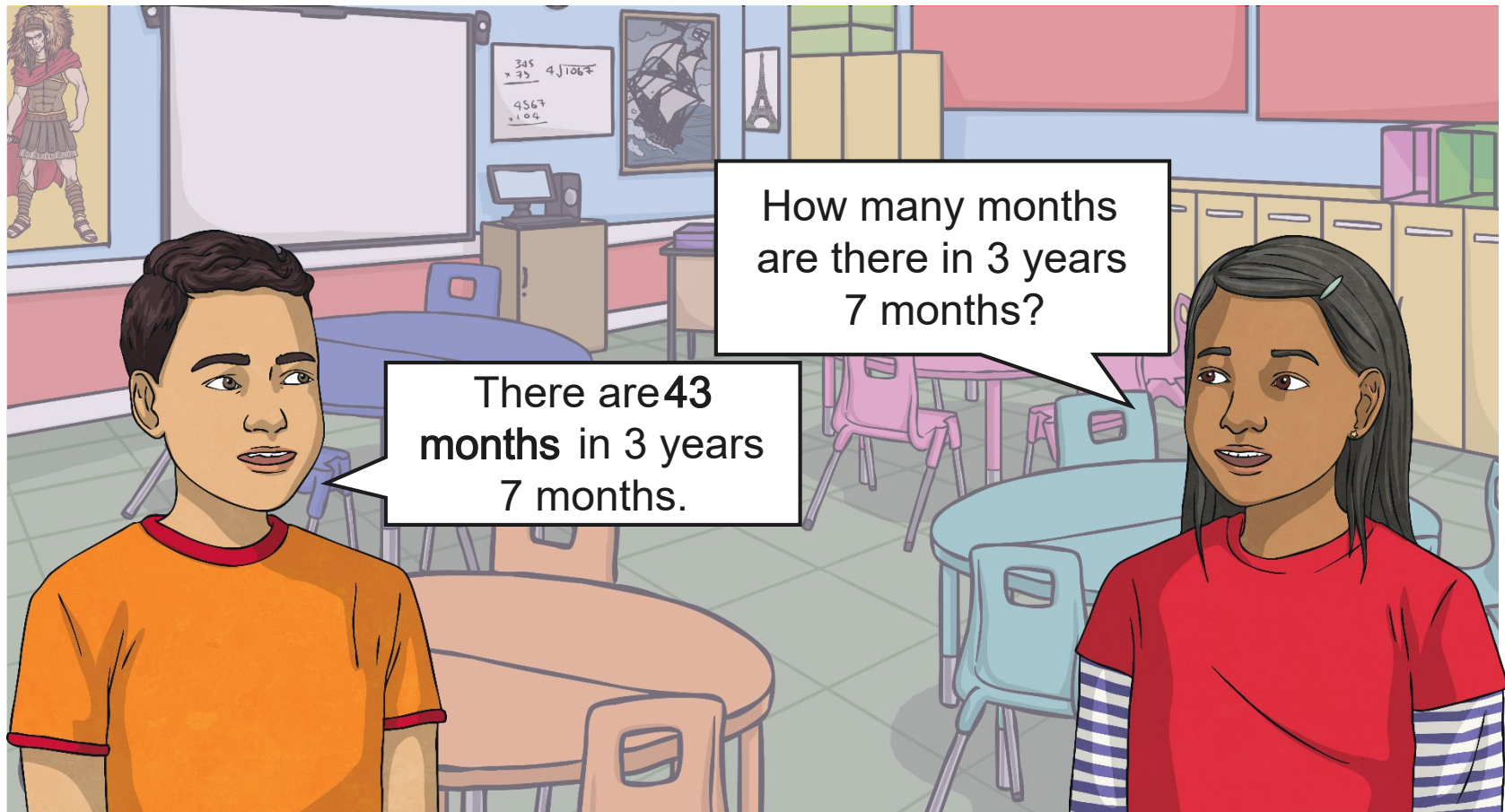


# Years to Months

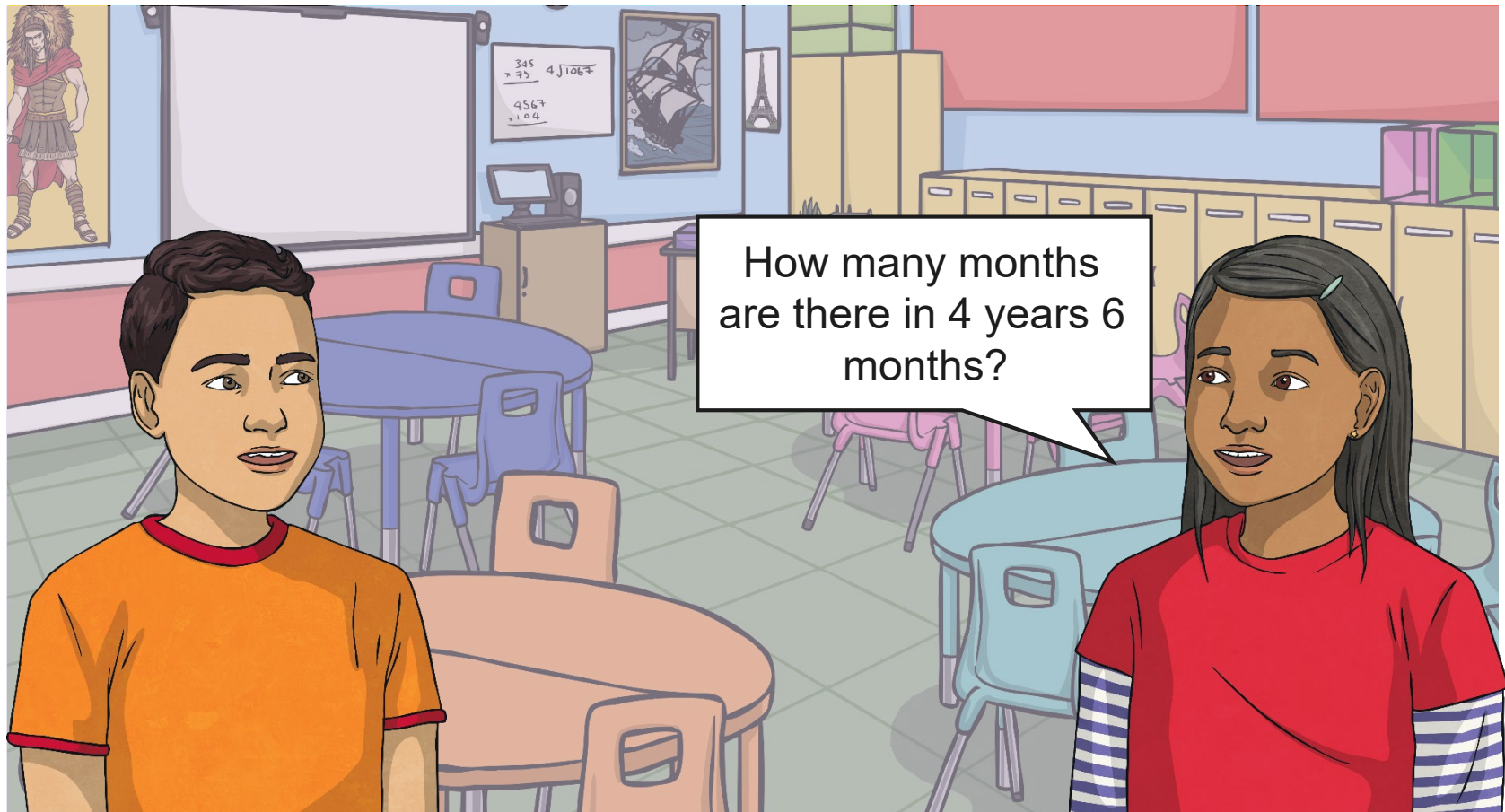




# Years to Months

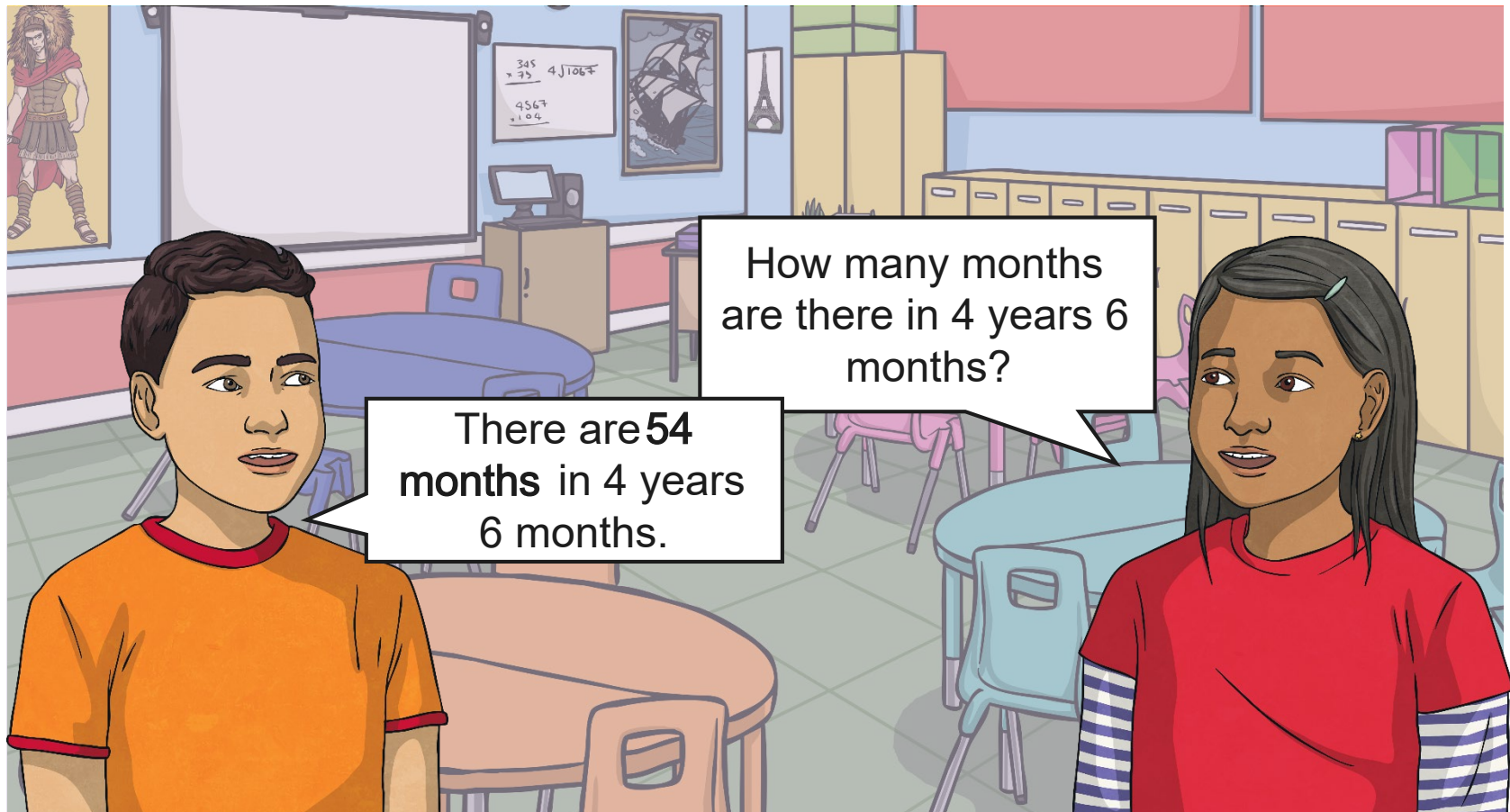


# Years to Months





# Years to Months

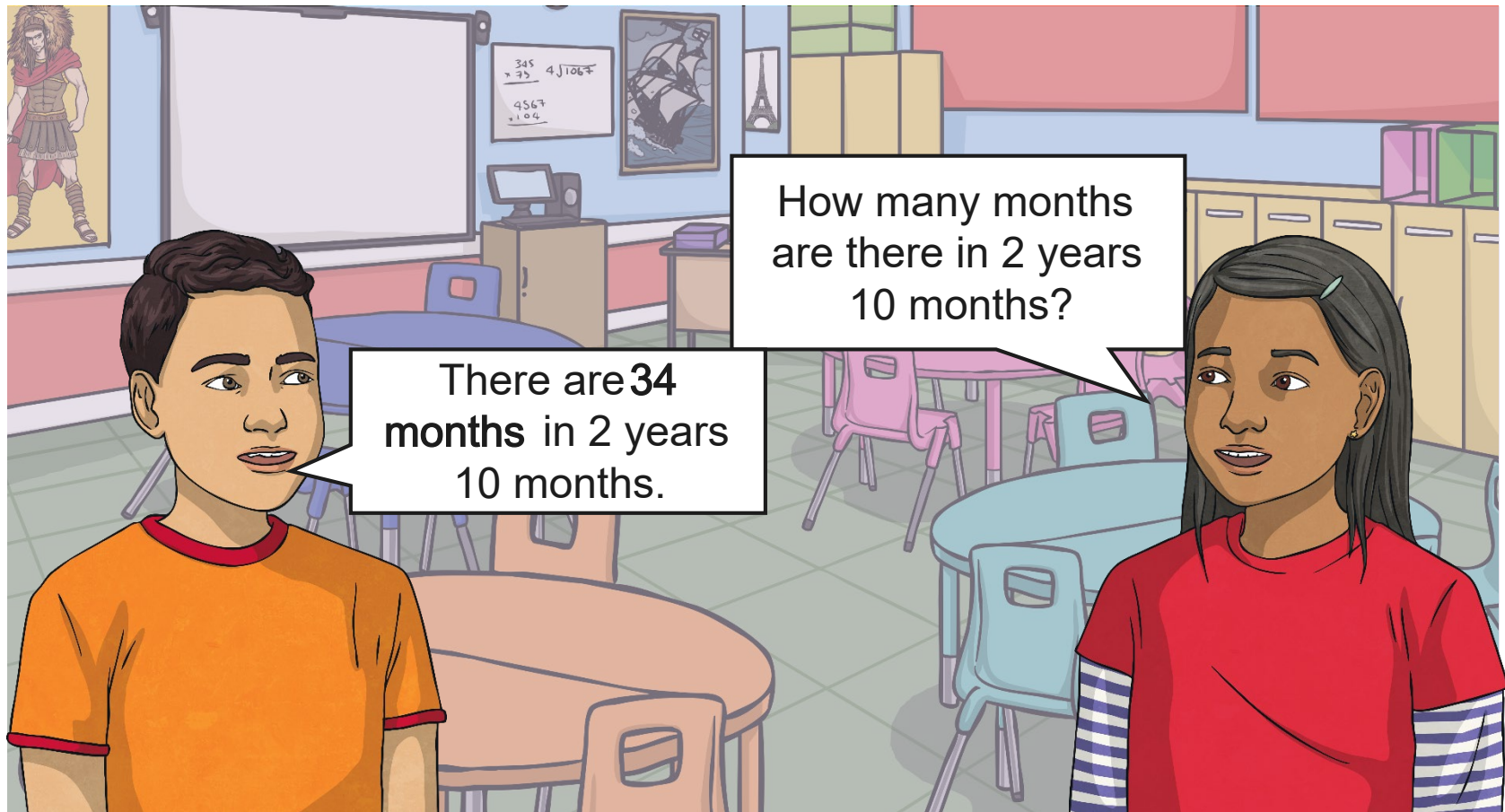


# Years to Months





# Years to Months



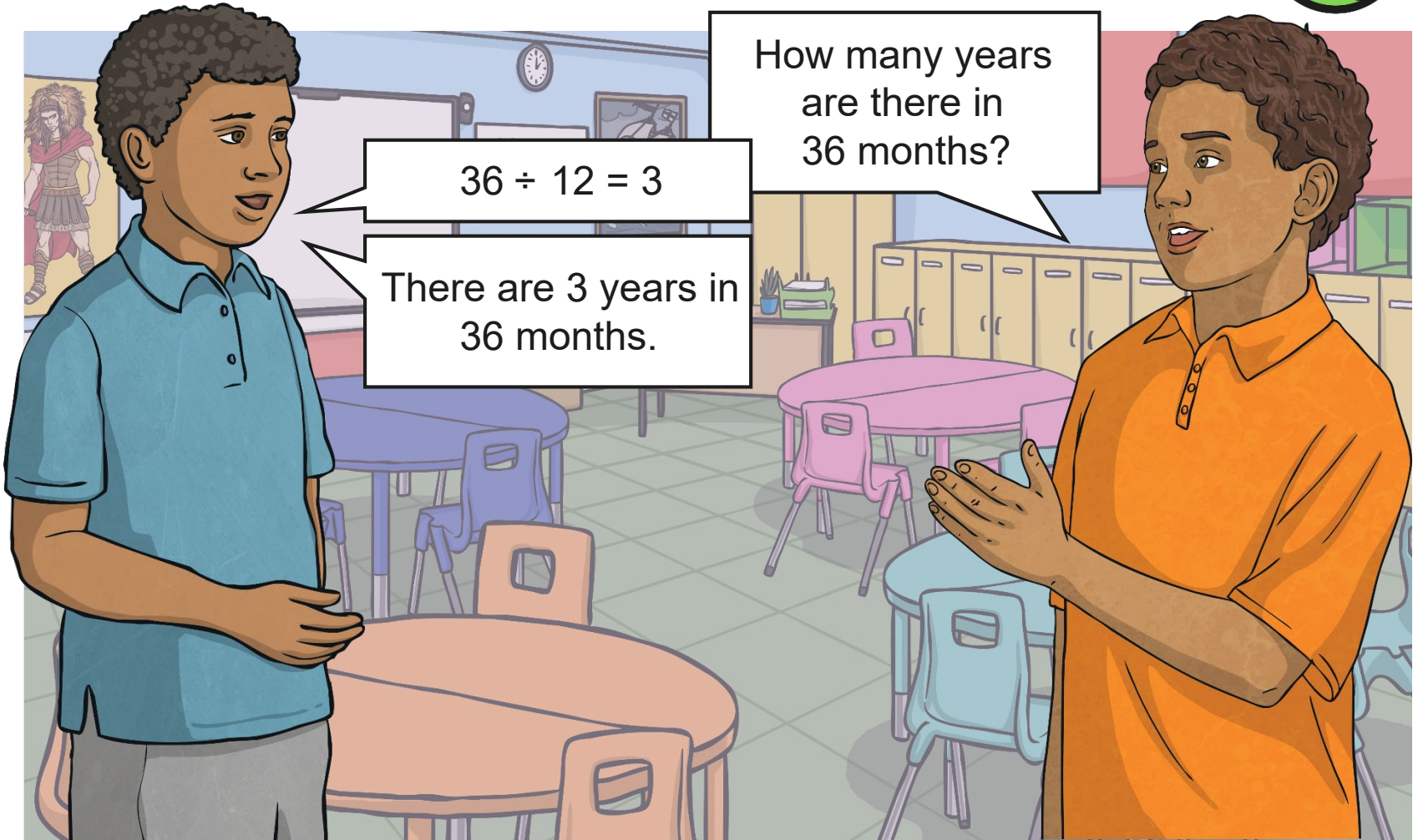
# Months to Years



How many years  
are there in  
36 months?

$$36 \div 12 = 3$$

There are 3 years in  
36 months.





# Months to Years

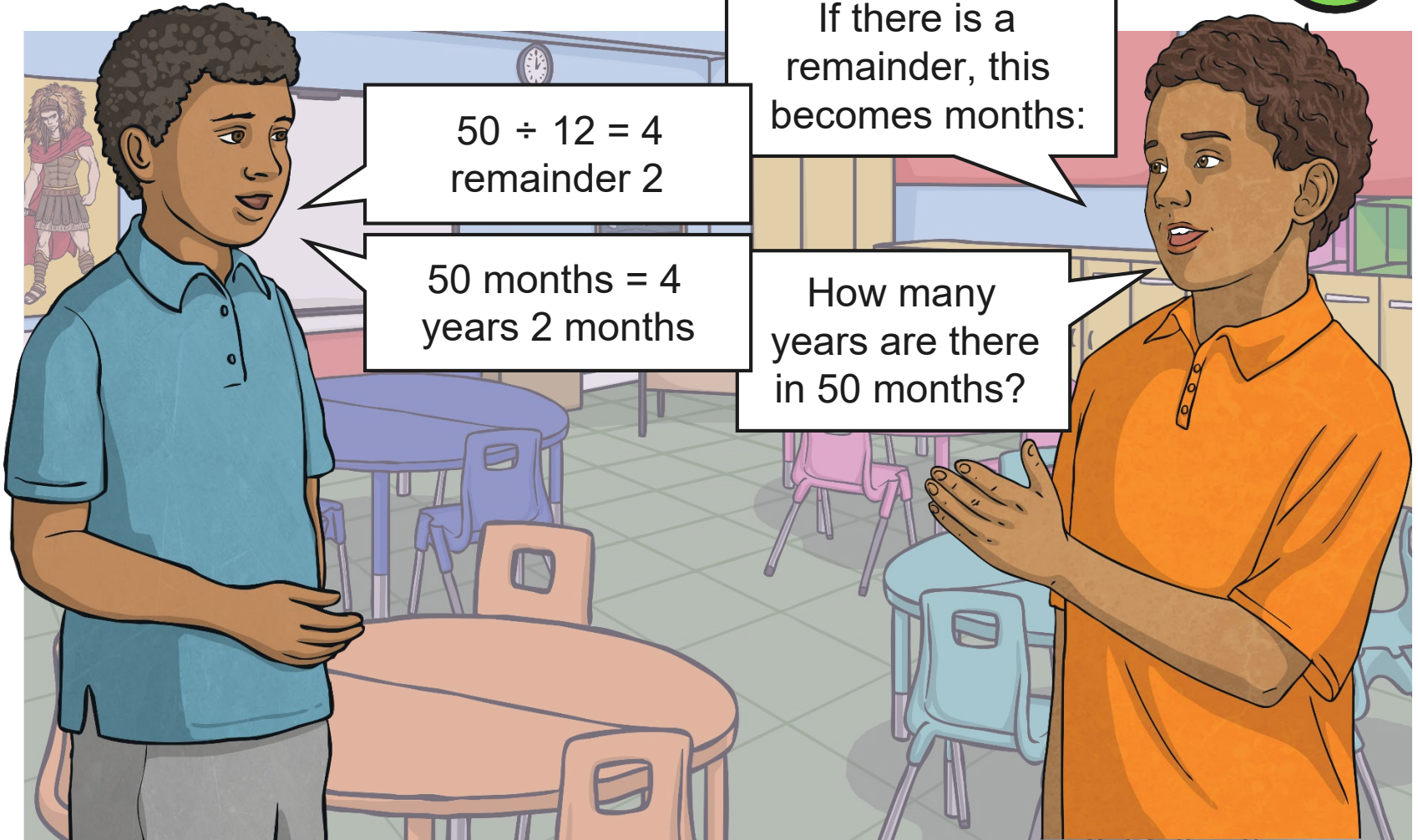


If there is a remainder, this becomes months:

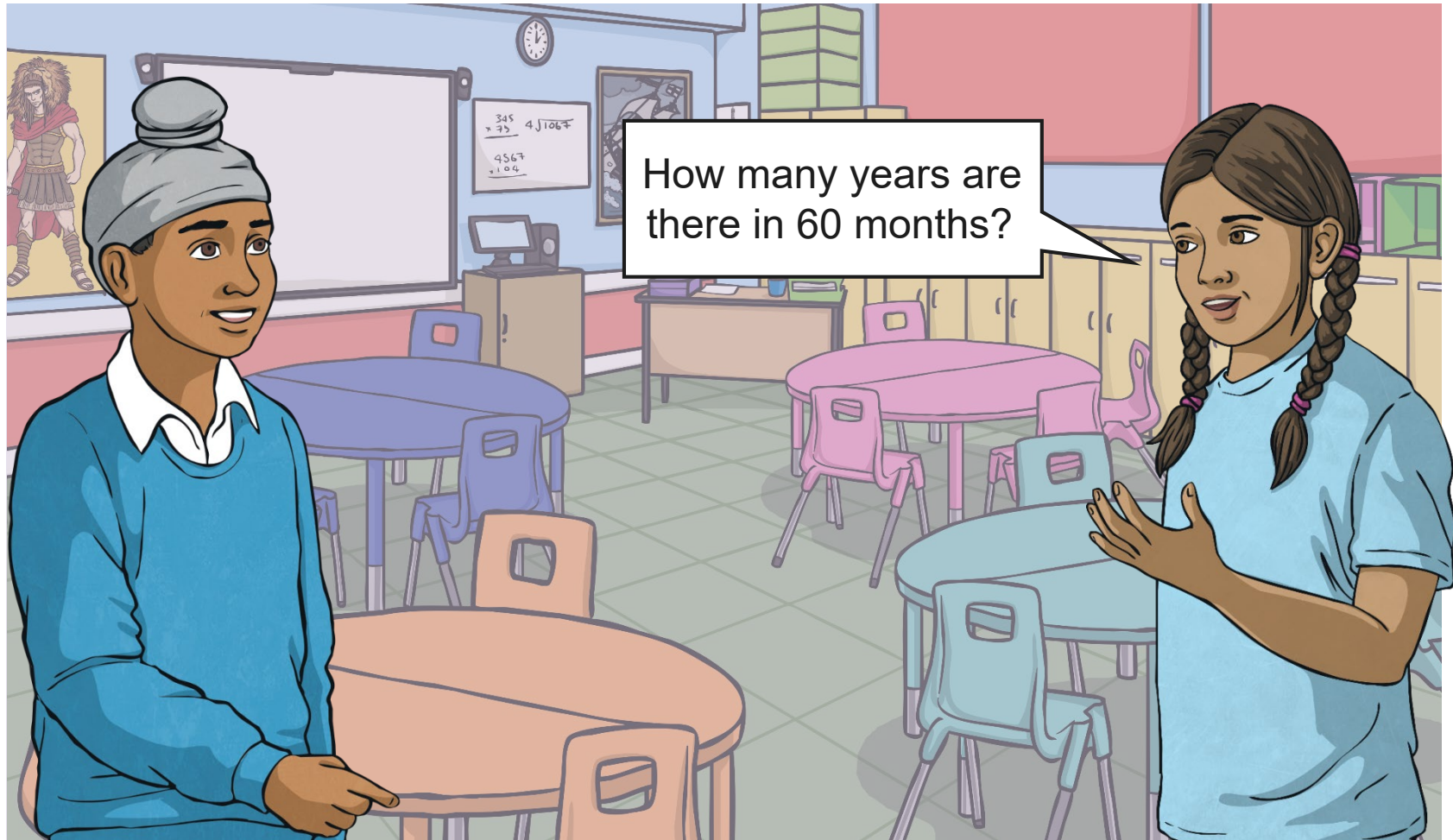
$$50 \div 12 = 4 \text{ remainder } 2$$

50 months = 4 years 2 months

How many years are there in 50 months?

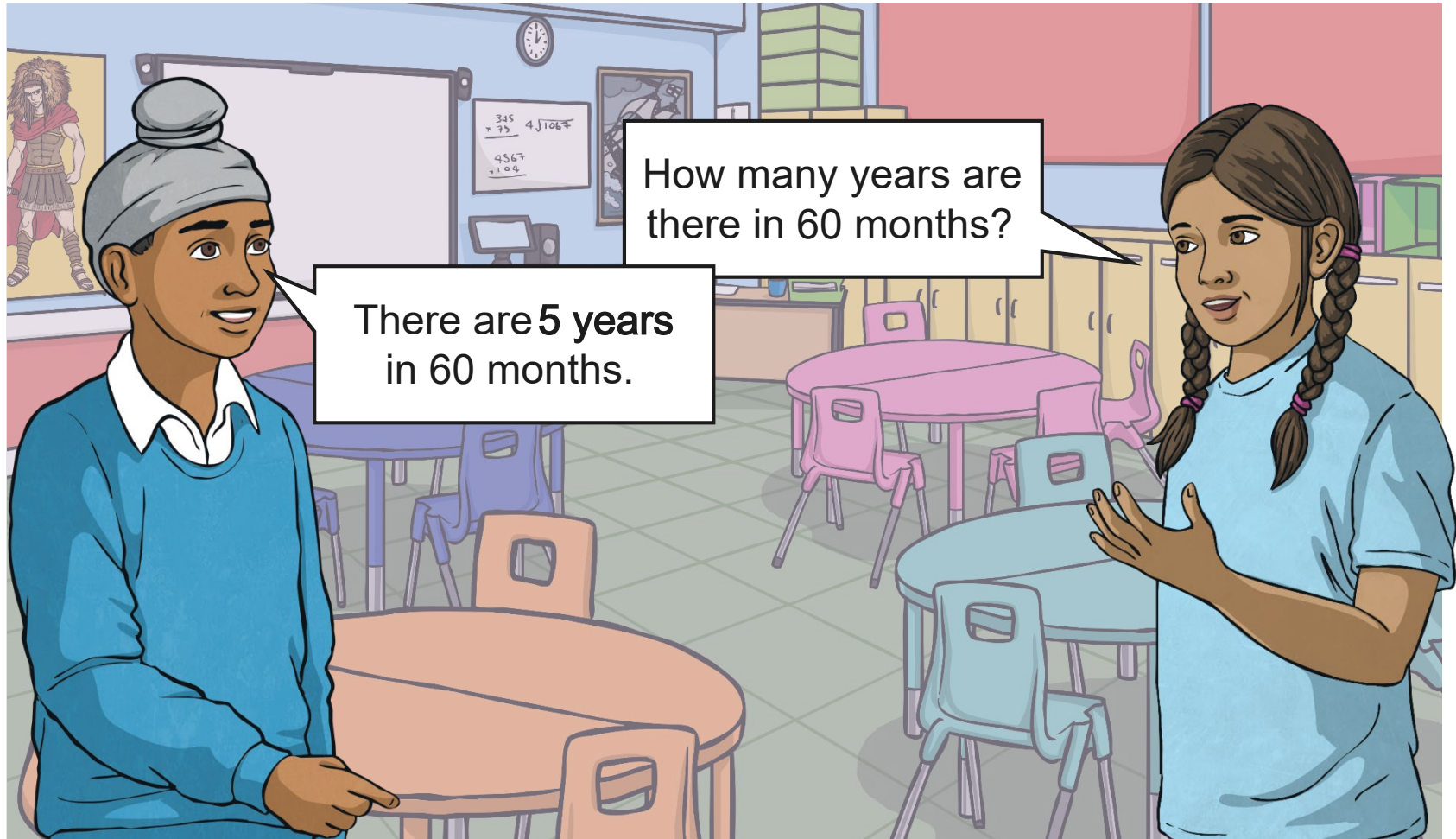


# Months to Years





# Months to Years

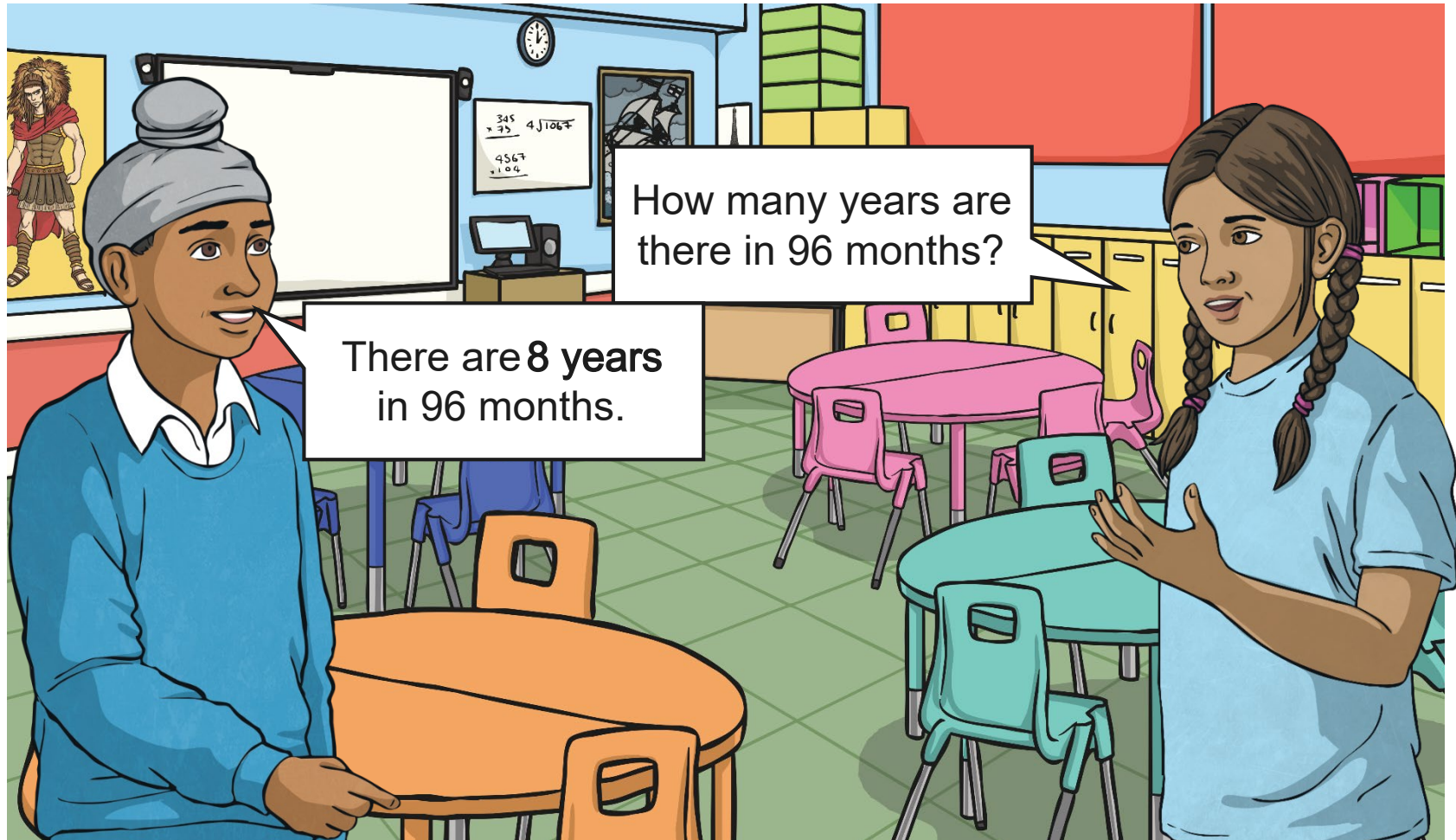


# Months to Years

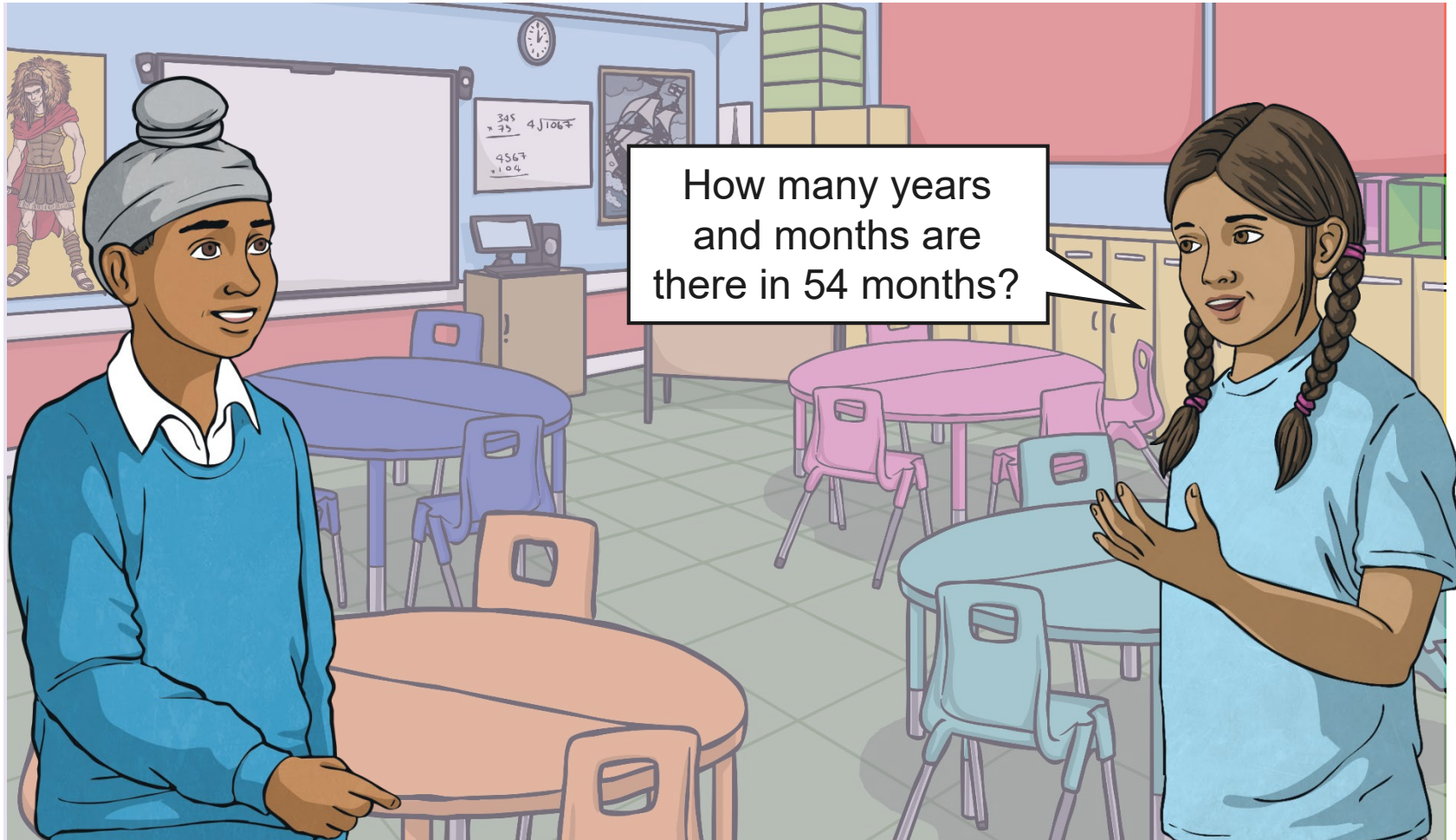




# Months to Years

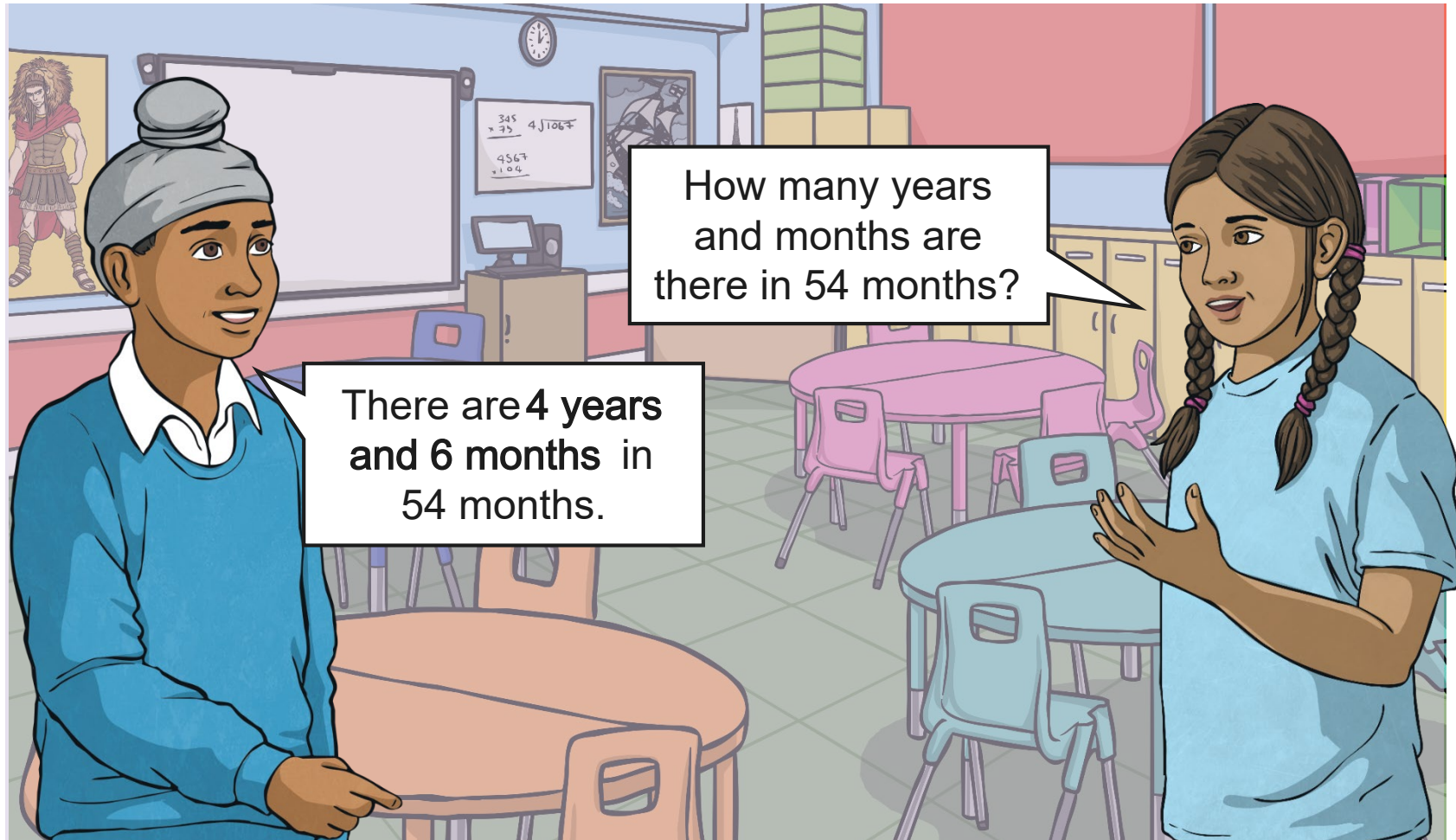


# Months to Years

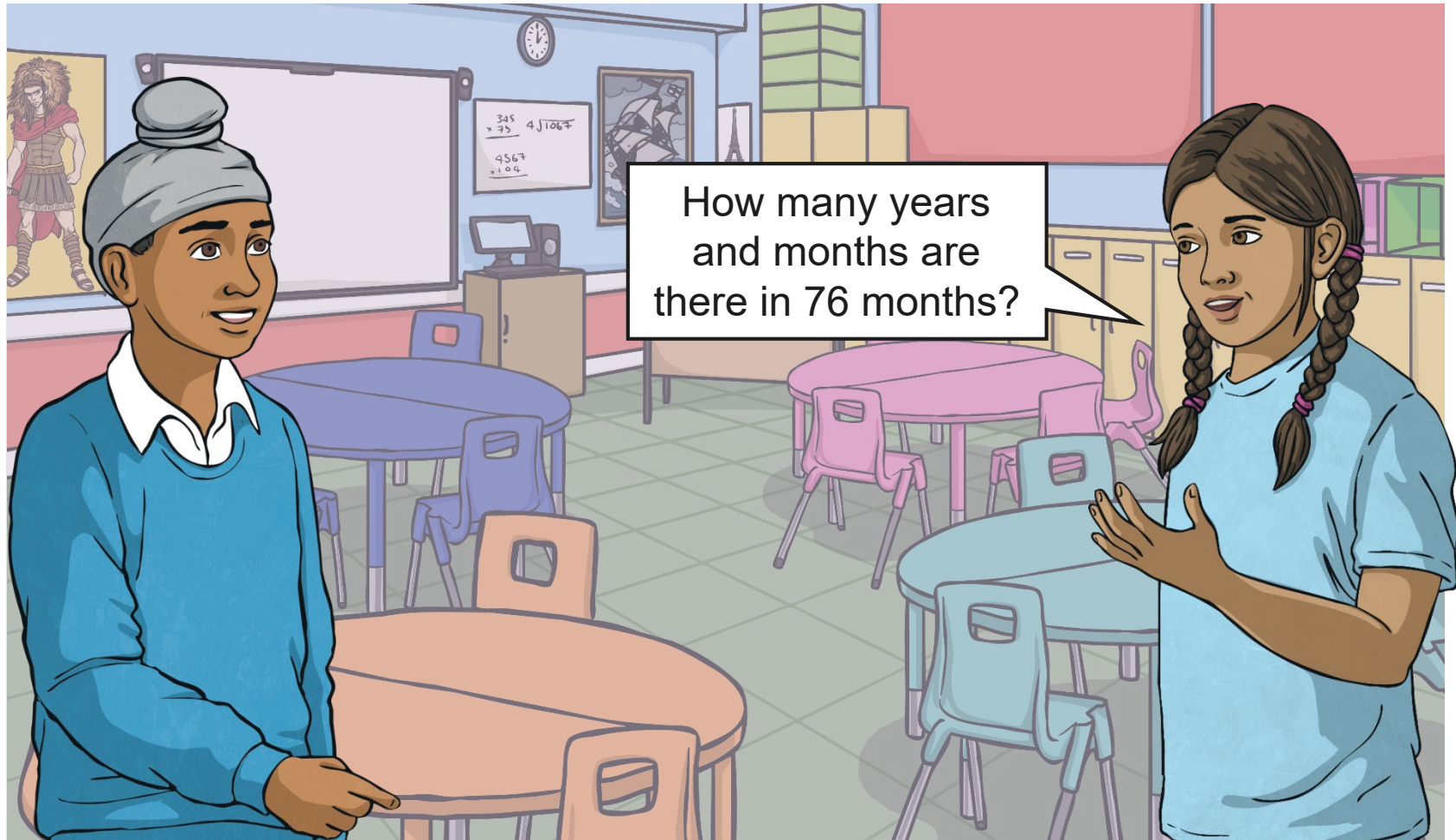




# Months to Years

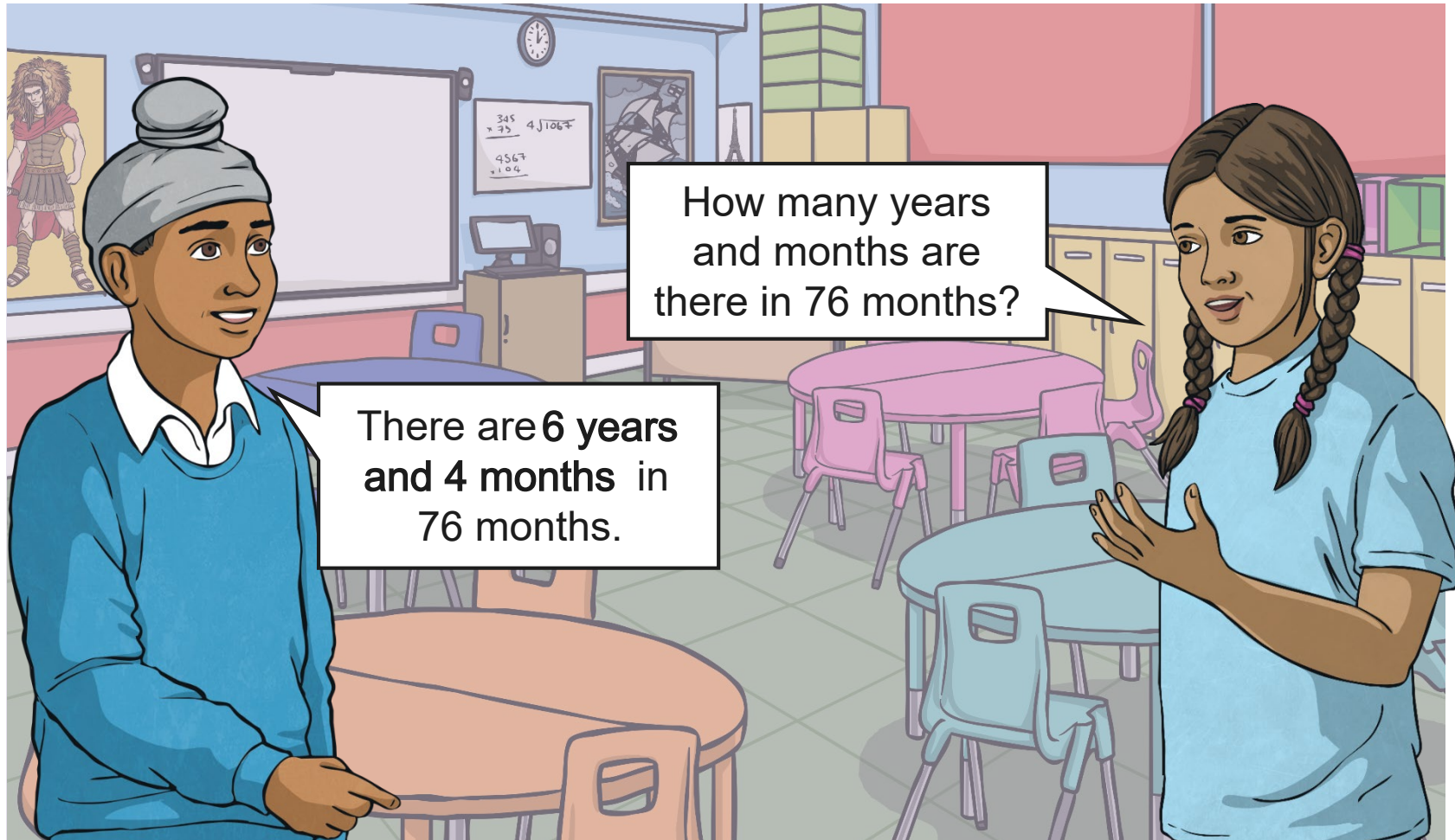


# Months to Years

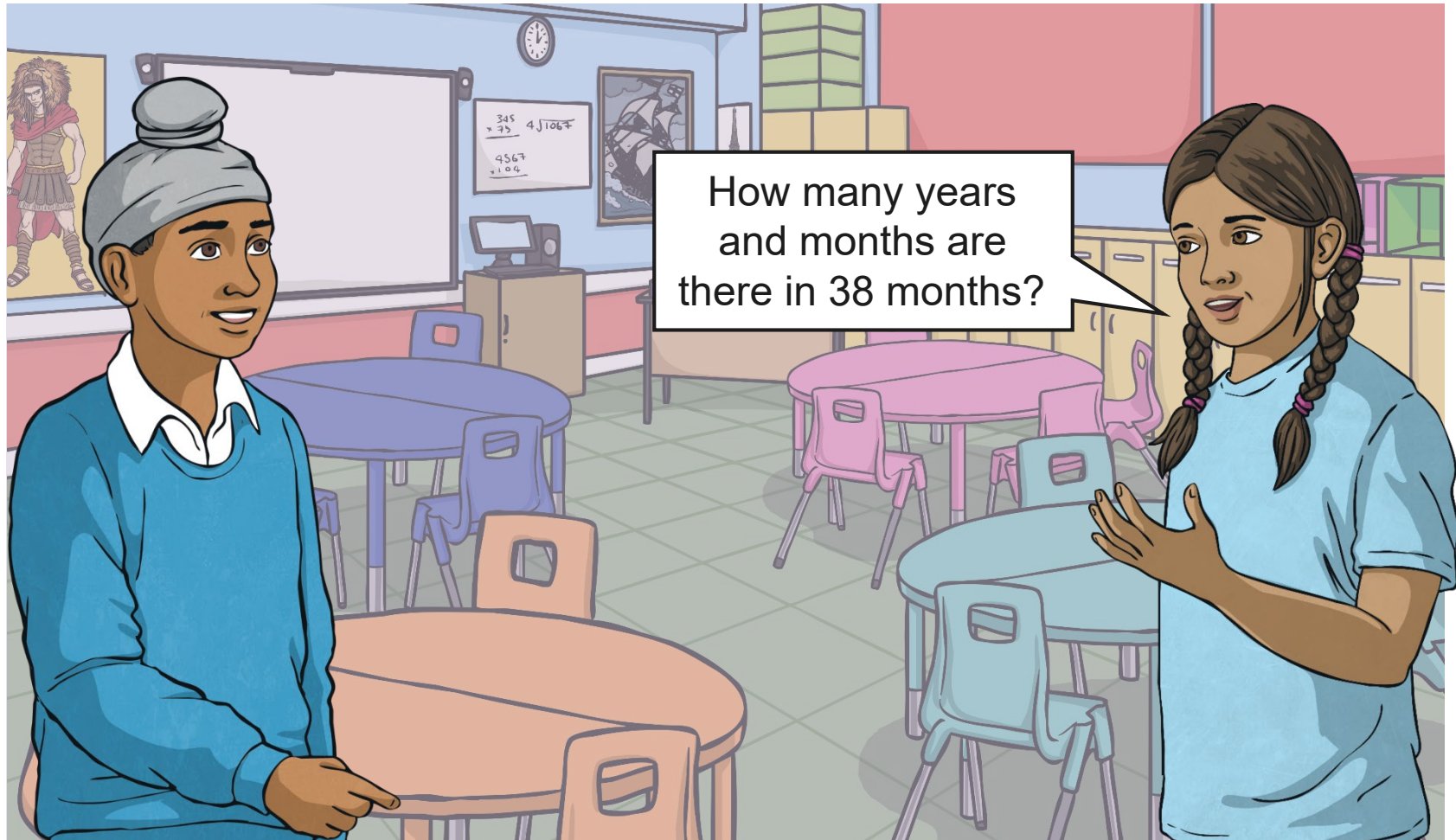




# Months to Years



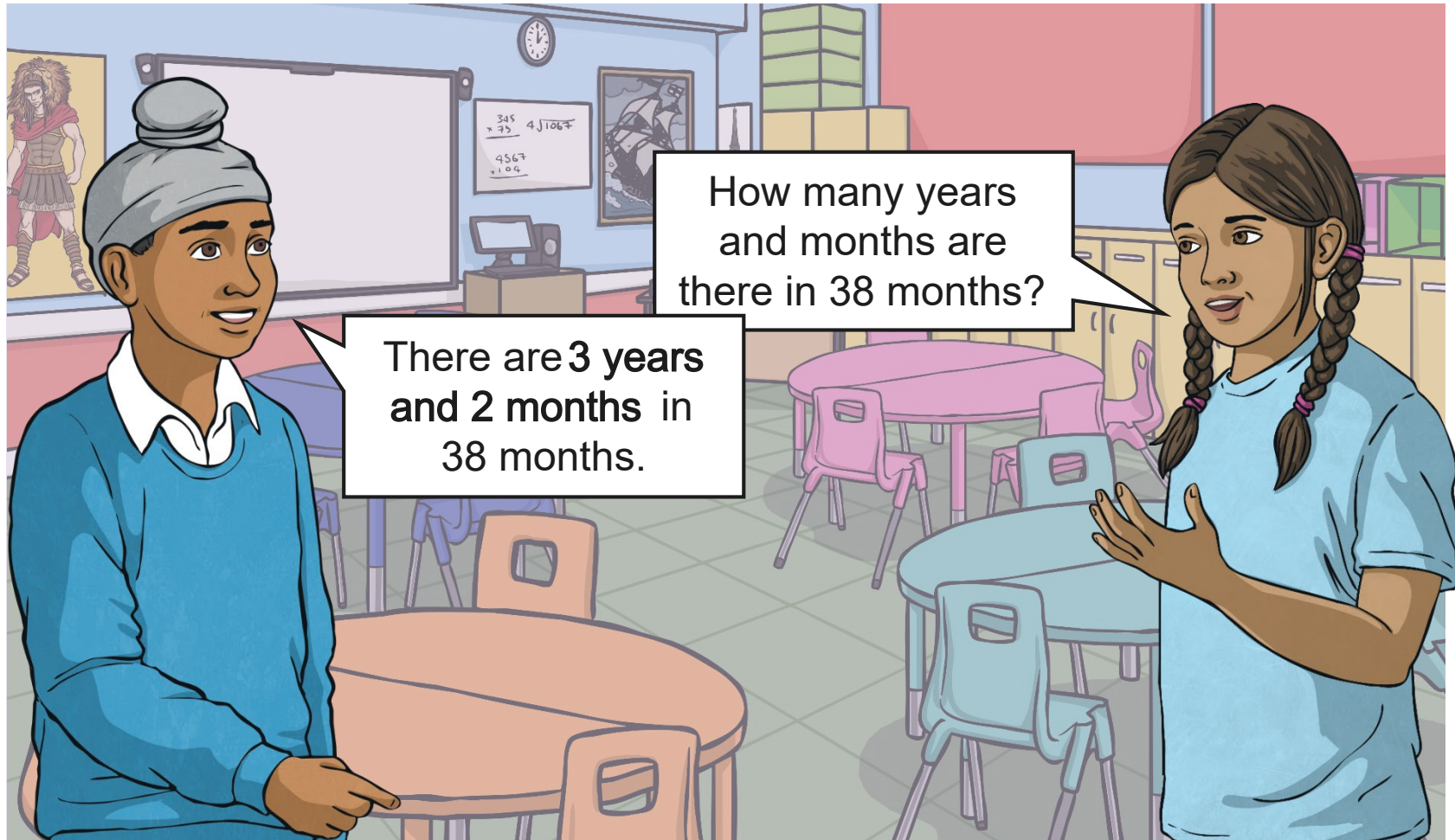
# Months to Years



How many years  
and months are  
there in 38 months?



# Months to Years



# Ages



Some children's ages are recorded in months and some in years and months. Order the children by age order, from youngest to oldest:

First, change the ages so they are all in months:

Lisa	Claire	Aliyah	Petra	Surinder	Nathan
7 years 2 months	84 months	5 years 3 months	89 months	6 years 2 months	79 months



# Ages



Some children's ages are recorded in months and some in years and months. Order the children by age order, from youngest to oldest:

First, change the ages so they are all in months:

Lisa	Claire	Aliyah	Petra	Surinder	Nathan
7 years 2 months	84 months	5 years 3 months	89 months	6 years 2 months	79 months

$$7 \times 12 = 84$$

$$84 + 2 = 86 \text{ months}$$

84  
months

$$5 \times 12 = 60$$

$$60 + 3 = 63 \text{ months}$$

89  
months

$$6 \times 12 = 72$$

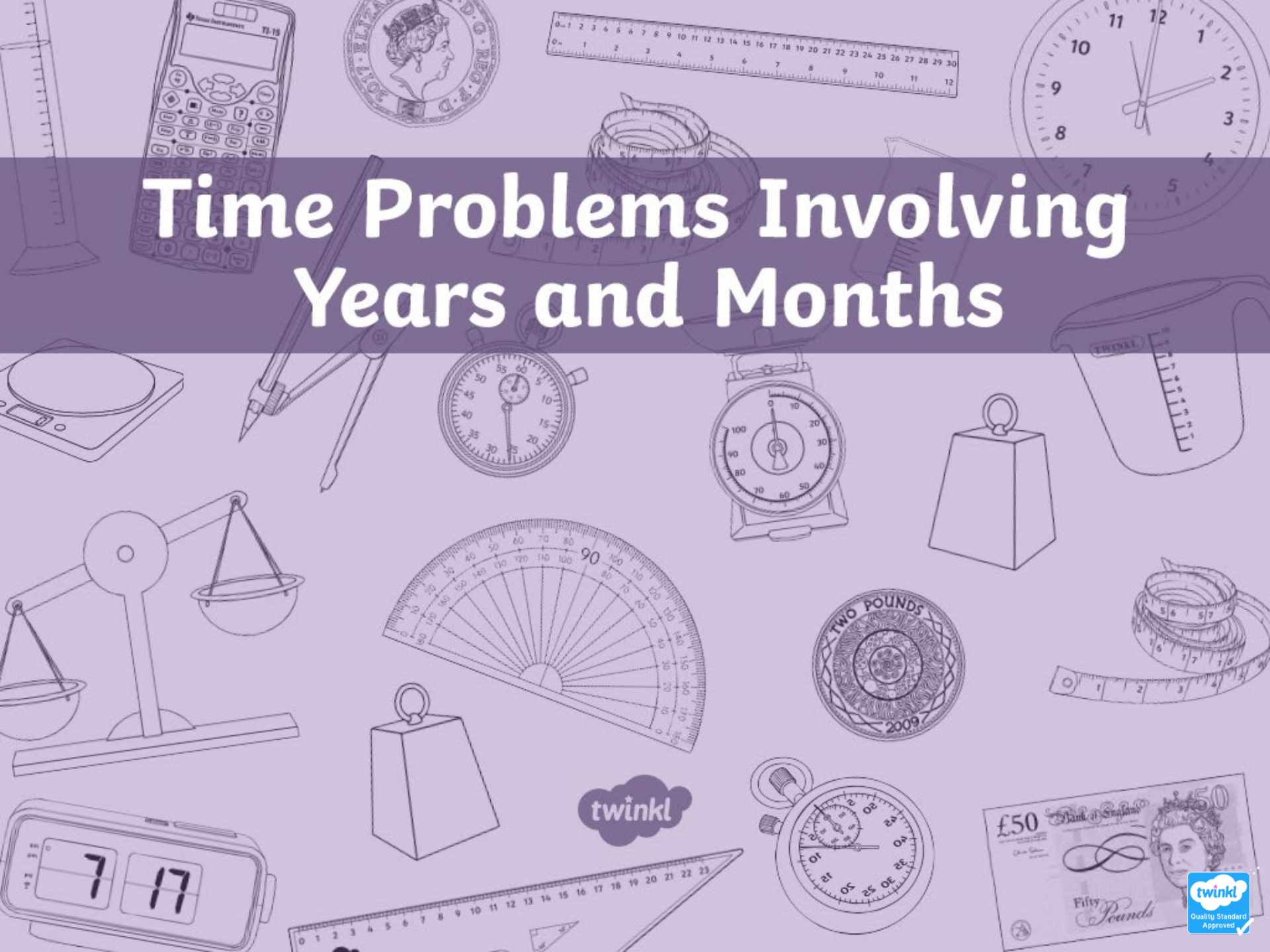
$$72 + 2 = 74 \text{ months}$$

79  
months

Order from youngest to oldest:

1) Aliyah 2) Surinder 3) Nathan 4) Claire 5) Lisa 6) Petra

# Time Problems Involving Years and Months



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# Weeks to Days



Write how many days there are in the number of weeks shown.

7 days  
in 1 week

49 days  
in 7 weeks

28 days  
in 4 weeks

56 days  
in 8 weeks

14 days  
in 2 weeks

63 days  
in 9 weeks

35 days  
in 5 weeks

42 days  
in 6 weeks

21 days  
in 3 weeks

# Weeks to Days



Write how many days there are in the number of weeks shown.

in 1 week

in 7 weeks

in 4 weeks

in 8 weeks

in 2 weeks

in 9 weeks

in 5 weeks

in 6 weeks

in 3 weeks



# Weeks to Days



How many days are there in 3 weeks and 4 days?

$$3 \times 7 = 21 + 4 = 25 \text{ days}$$

How many days are there in:

a. 2 weeks 3 days?

b. 5 weeks 6 days?

c. 4 weeks 2 days?

d. 6 weeks 3 days?

# Weeks to Days



How many days are there in 3 weeks and 4 days?

$$3 \times 7 = 21 + 4 = 25 \text{ days}$$

How many days are there in:

a. 2 weeks 3 days?

17 days

b. 5 weeks 6 days?

41 days

c. 4 weeks 2 days?

30 days

d. 6 weeks 3 days?

45 days



# Days to Weeks

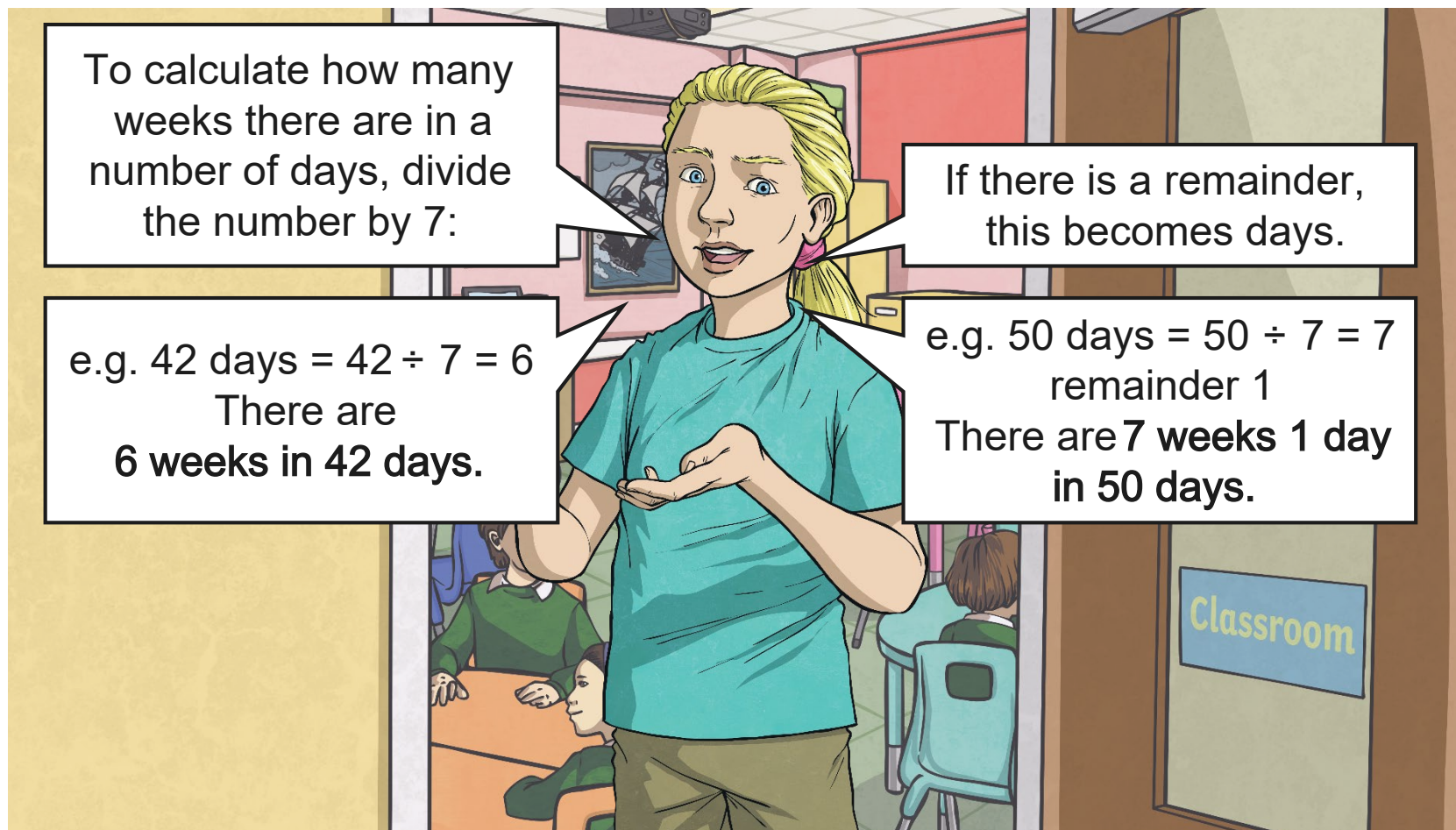


To calculate how many weeks there are in a number of days, divide the number by 7:

e.g.  $42 \text{ days} = 42 \div 7 = 6$   
There are  
**6 weeks in 42 days.**

If there is a remainder, this becomes days.

e.g.  $50 \text{ days} = 50 \div 7 = 7$   
remainder 1  
There are **7 weeks 1 day**  
in 50 days.



# Days to Weeks



How many weeks are there in:

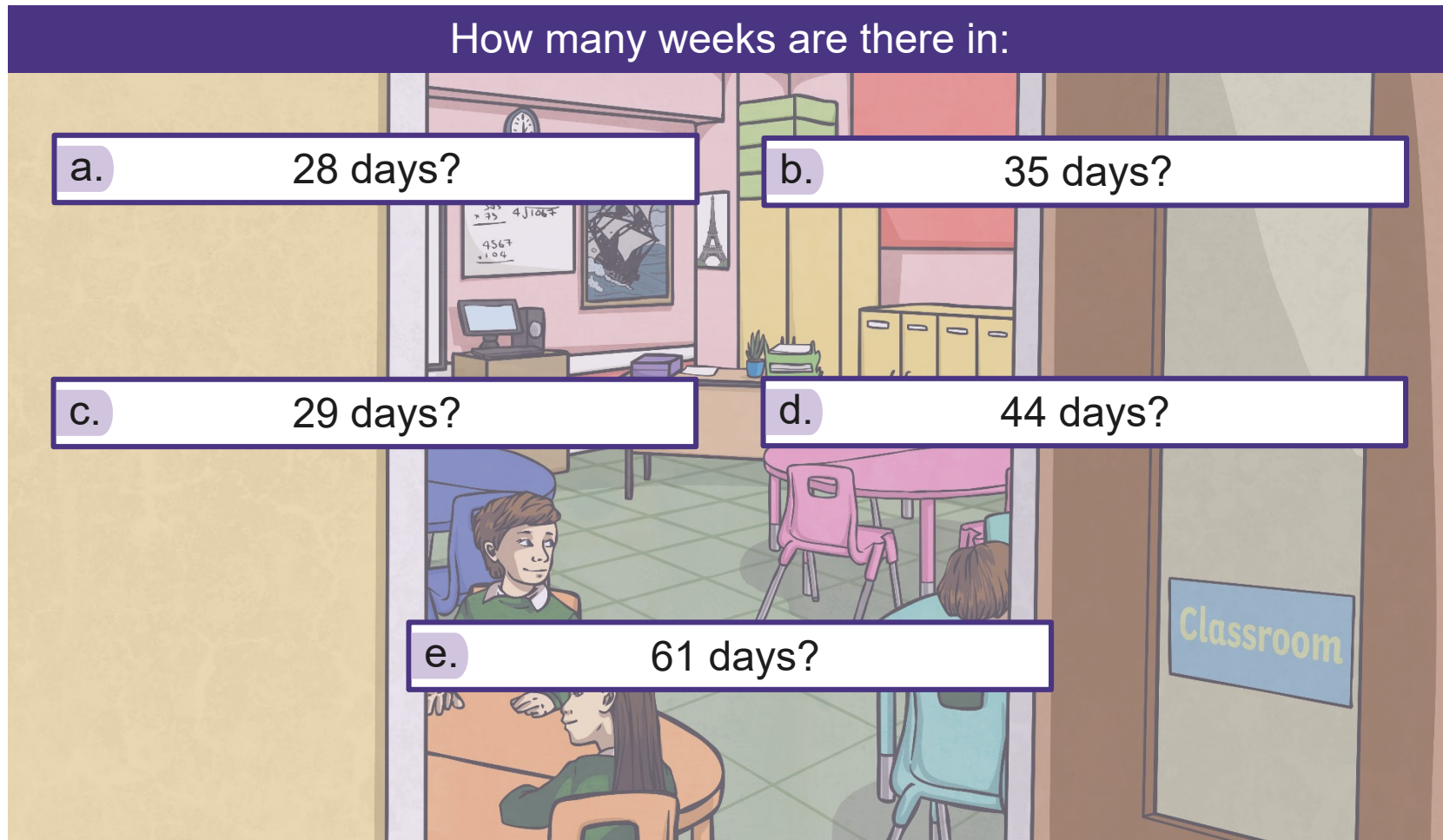
a. 28 days?

b. 35 days?

c. 29 days?

d. 44 days?

e. 61 days?





# Days to Weeks



How many weeks are there in:

a. 28 days?

4 weeks

b. 35 days?

5 weeks

c. 29 days?

4 weeks 1 day

d. 44 days?

6 weeks 2 days

e. 61 days?

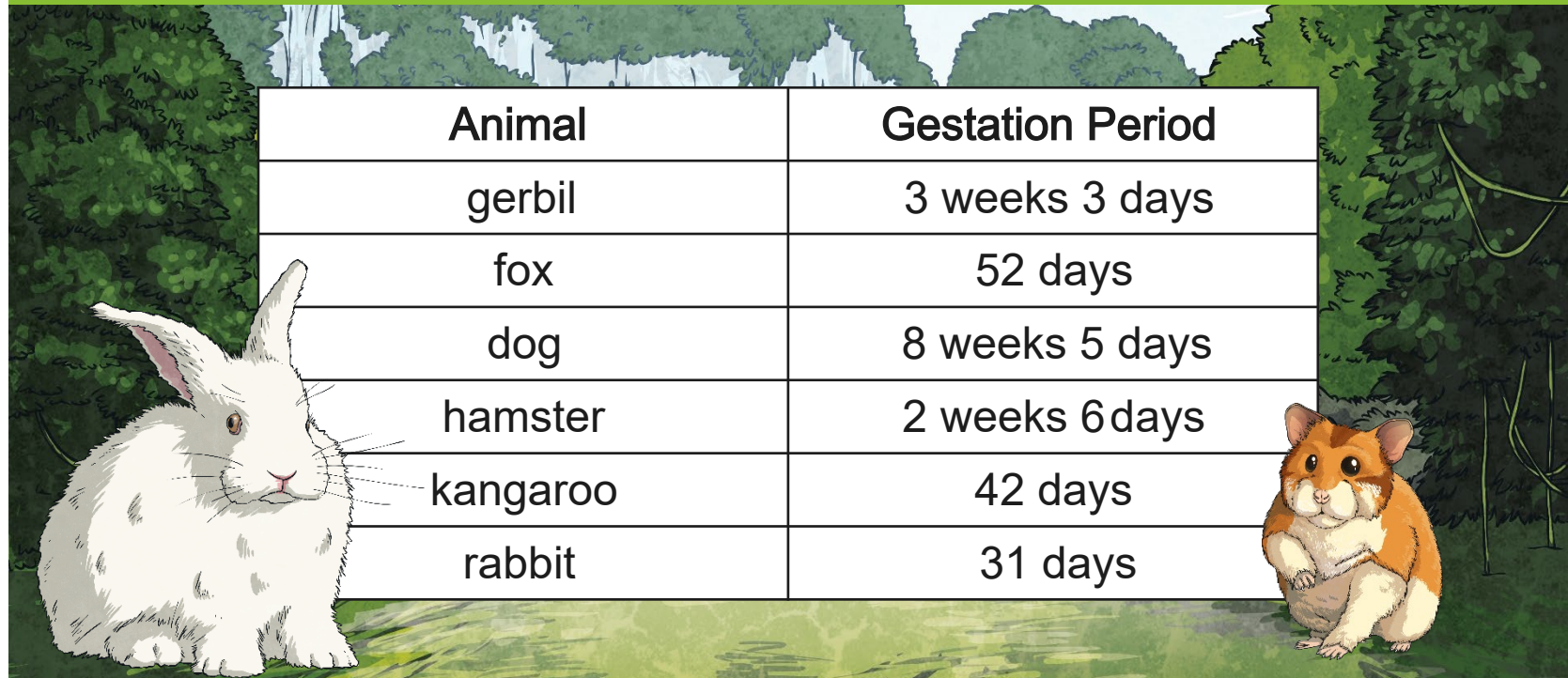
8 weeks 5 days

Classroom

# Animal Gestation



Gestation is the number of days that a mammal carries their baby before giving birth. This table shows average gestation periods for some mammals. Some of the periods are written in days and some in weeks and days.



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days



# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days

Choose the correct symbol  
( $<$  or  $>$ ) to  
compare the animals:

$>$

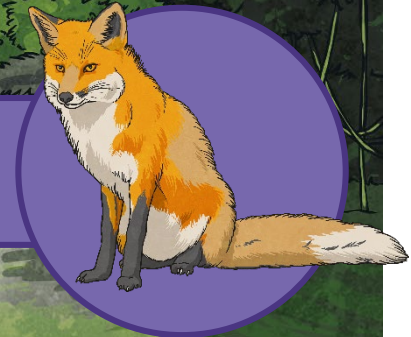
$<$



dog



fox



# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
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hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days

Choose the correct symbol  
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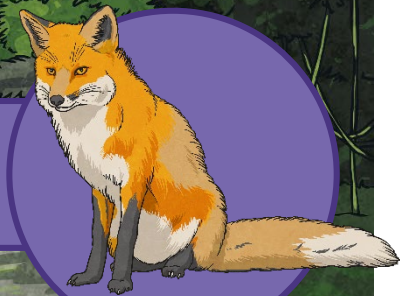
$<$



dog

$>$

fox





# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
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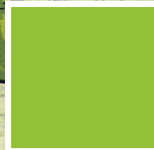
Choose the correct symbol  
( $<$  or  $>$ ) to  
compare the animals:

$>$

$<$



gerbil



rabbit



# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
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kangaroo	42 days
rabbit	31 days

Choose the correct symbol  
( $<$  or  $>$ ) to  
compare the animals:

$>$

$<$



gerbil

$<$

rabbit





# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
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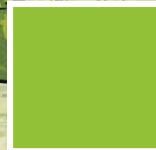
Choose the correct symbol  
( $<$  or  $>$ ) to  
compare the animals:

$>$

$<$



dog



kangaroo



# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days

Choose the correct symbol  
( $<$  or  $>$ ) to  
compare the animals:

$>$

$<$



dog

$>$

kangaroo





# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days

How much longer is the gestation period of the kangaroo than the gerbil?  
Write your answer in weeks and days.



# Animal Gestation



Animal	Gestation Period
gerbil	3 weeks 3 days
fox	52 days
dog	8 weeks 5 days
hamster	2 weeks 6 days
kangaroo	42 days
rabbit	31 days

**2 weeks 4 days**

How much longer is the gestation period of the kangaroo than the gerbil?  
Write your answer in weeks and days.



