Convert units of time

1 Use the numbers to complete the statements.

60	52	7	12	60	24

a) There are ☐ days in a week.

b) There are ☐ hours in a day.

c) There are ☐ minutes in an hour.

d) There are ☐ weeks in a year.

e) There are ☐ months in a year.

f) There are ☐ seconds in a minute.

2 Teddy and Kim are completing the statement.

There are ☐ days in a year.

Teddy: The answer is 365

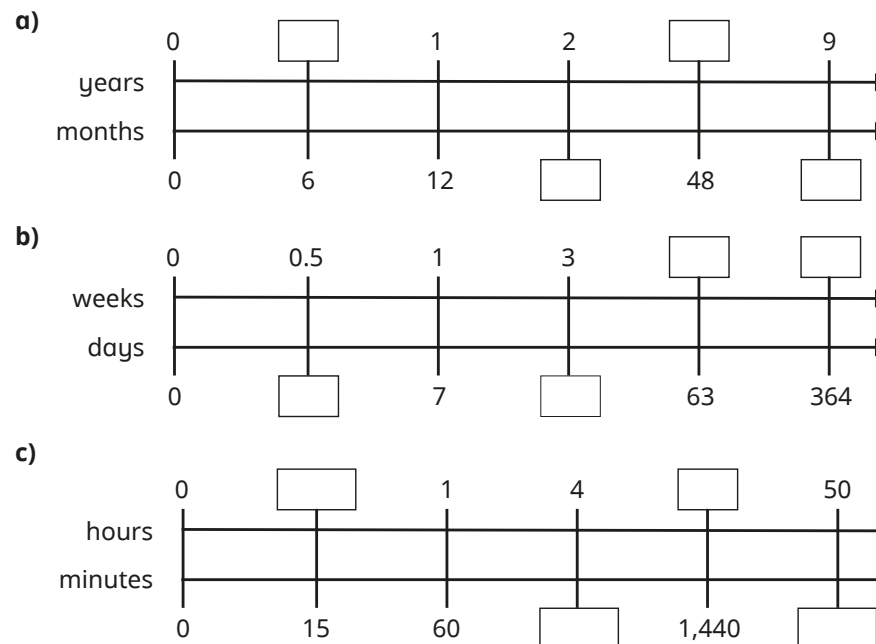Kim: The answer is 366

Who do you agree with?
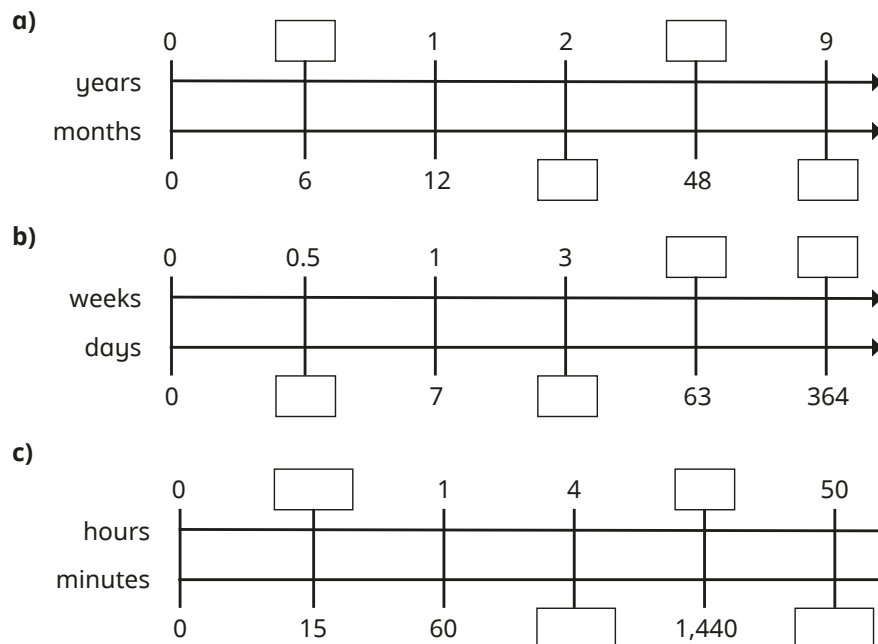
Talk about it with a partner.

3 Find the missing values to complete the conversions.

a)

years: 0 ... 1 ... 2 ... 9

months: 0 ... 6 ... 12 ... ☐ ... 48 ... ☐

(with boxes above years line and below months line)

b)

weeks: 0 ... 0.5 ... 1 ... 3 ... ☐ ... ☐

days: 0 ... ☐ ... 7 ... ☐ ... 63 ... 364

c)

hours: 0 ... ☐ ... 1 ... 4 ... ☐ ... 50

minutes: 0 ... 15 ... 60 ... ☐ ... 1,440 ... ☐

4 Complete the conversions.

a) 6 weeks = ☐ days

b) 7 years = ☐ months

c) 5 minutes = ☐ seconds

d) 3 days = ☐ hours

e) ☐ weeks = 98 days

f) ☐ minutes = 9 hours

g) ☐ hours = 2.5 days

h) 18 months = ☐ years

i) $\frac{1}{2}$ an hour = ☐ minutes

j) ☐ seconds = $\frac{3}{4}$ of a minute

3 Find the missing values to complete the conversions.

a)
years: 0 | [ ] | 1 | 2 | [ ] | 9
months: 0 | 6 | 12 | [ ] | 48 | [ ]

b)
weeks: 0 | 0.5 | 1 | 3 | [ ] | [ ]
days: 0 | [ ] | 7 | [ ] | 63 | 364

c)
hours: 0 | [ ] | 1 | 4 | [ ] | 50
minutes: 0 | 15 | 60 | [ ] | 1,440 | [ ]

4 Complete the conversions.

a) 6 weeks = [ ] days

b) 7 years = [ ] months

c) 5 minutes = [ ] seconds

d) 3 days = [ ] hours

e) [ ] weeks = 98 days

f) [ ] minutes = 9 hours

g) [ ] hours = 2.5 days

h) 18 months = [ ] years

i) $\frac{1}{2}$ an hour = [ ] minutes

j) [ ] seconds = $\frac{3}{4}$ of a minute

5 Jo and Max are converting 52 days into weeks.

> **Jo:** I cannot do it because 52 is not a multiple of 7
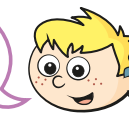
> **Max:** I can convert it into weeks and days.

Who is correct?

Talk about it with a partner.

6 Ron and Eva have known each other for 103 days.

For how many weeks and days have they known each other?

7 Amir and Annie ran a race.

Amir ran the race in 3 minutes and 14 seconds.

Annie ran the race in 187 seconds.

Who was faster?

Show your workings.

8 Dora's birthday is on 17 August.

> It is currently 6 pm on 14 August.

a) How many hours is it until Dora's birthday?

b) How many minutes is it until Dora's birthday?

c) How many seconds is it until Dora's birthday?

9 How many minutes are there in a leap year?