

L.O. To solve correspondence problems

Week 5 - Wednesday

Starter – Roman numerals

1. VII =

2. IX =

3. 18 =

4. XXIV =

5. 21 =

6. LX =

7. 42 =

8. 79 =

9. XC =

10. XXIII

I = 1

V = 5

X = 10

L = 50

C = 100

Starter – Roman numerals

1. VII = 7

2. IX = 9

3. 18 = XVIII

4. XXIV = 24

5. 21 = XXI

6. LX = 60

7. 42 = XLII

8. 79 = LXXIX

9. XC = 90

10. XXIII = 23

I = 1

V = 5

X = 10

L = 50

C = 100

- For each problem:
 - Draw the bar model and use it to work out the answer
 - Make sure you read each question carefully.
 - When you look at each answer make sure you look back to the problem and understand how the missing value was found.

A dog weighs 12kg. This four times as much as a cat. How much does the cat weigh?

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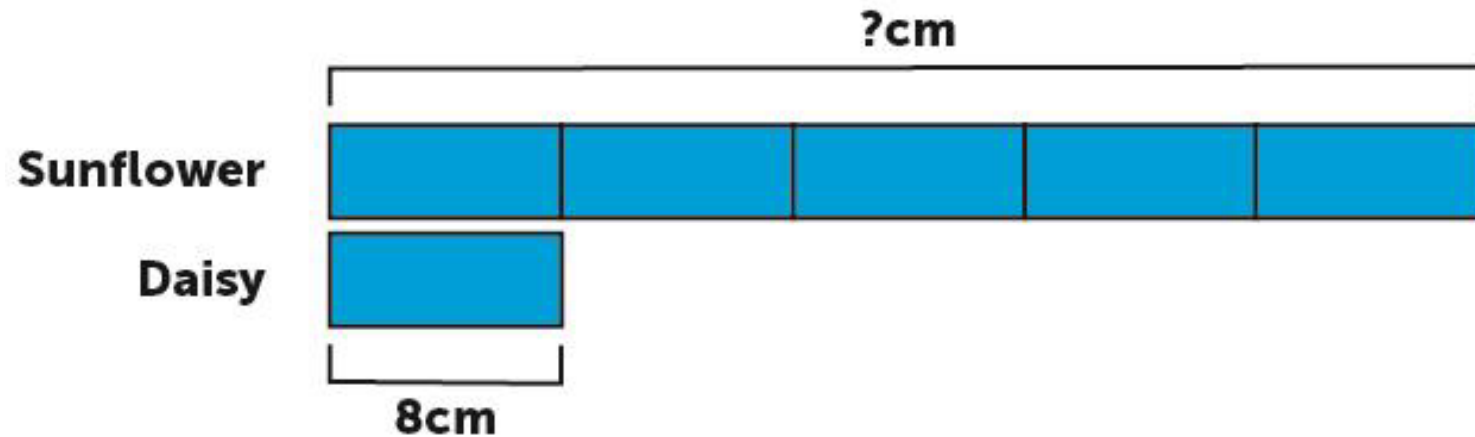
A dog weighs 12kg. This four times as much as a cat. How much does the cat weigh?



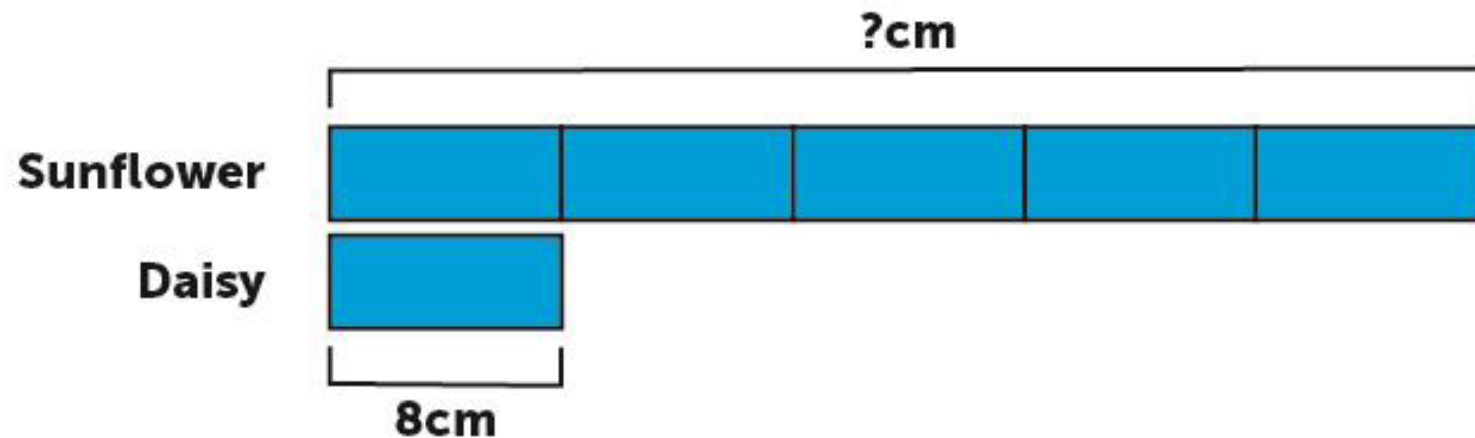
I can see that I need to divide 12 by 4. This means that each block is worth 3kg. The cat only has one block. The cat weighs 3kg.

A sunflower is 5 times taller than a daisy. The daisy is 8 cm tall. How tall is the sunflower?

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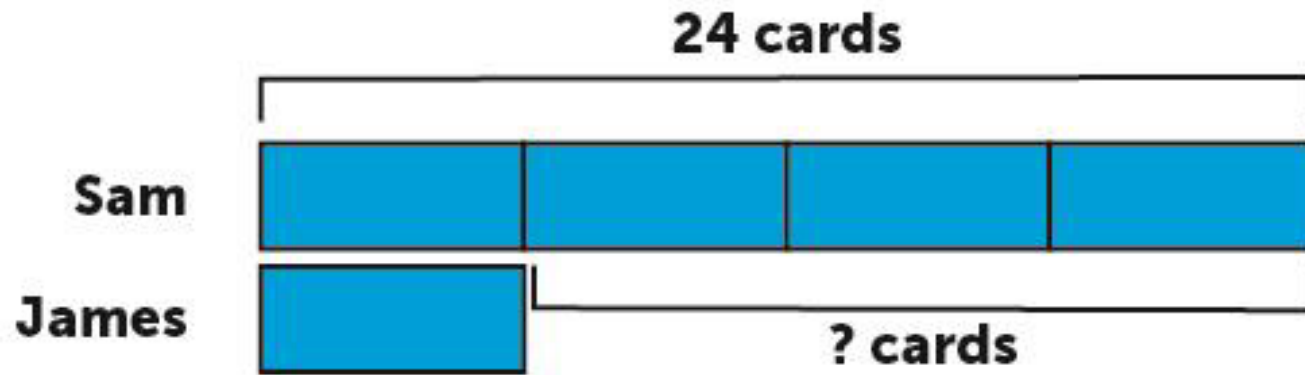
A sunflower is 5 times taller than a daisy. The daisy is 8 cm tall. How tall is the sunflower?



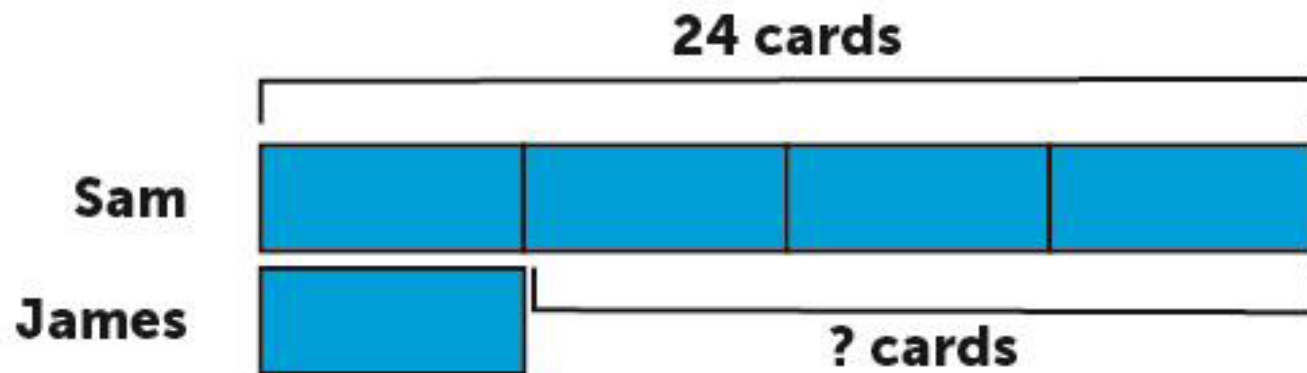
Each block is worth 8 cm.
I can see that I need to multiply 8 by 5
to find the height of the sunflower.
The sunflower is 40cm tall.

Sam has four times as many cards as James.
Sam has 24 cards. How many more cards does
Sam have than James?

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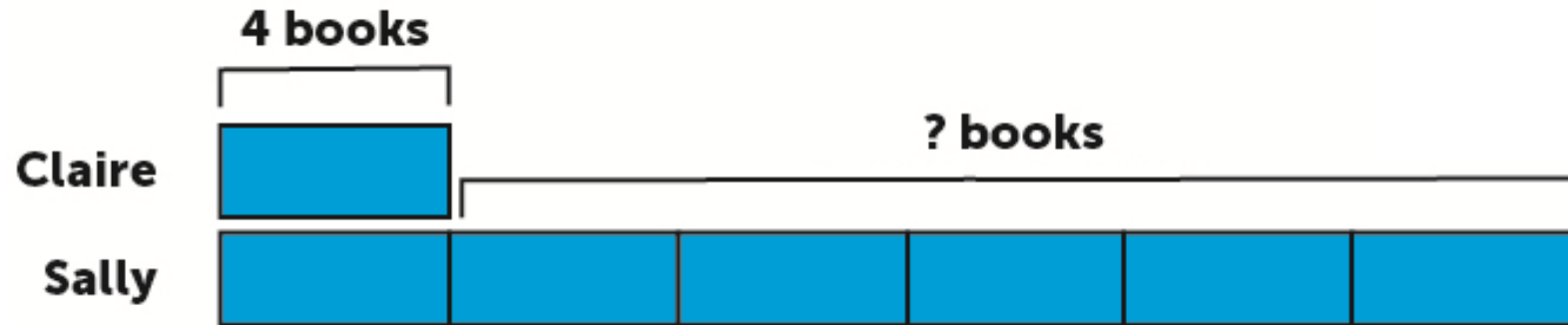


Each block is worth 6 cards. Sam has 3 more blocks than James. So Sam has 6×3 , 18 more cards than James.

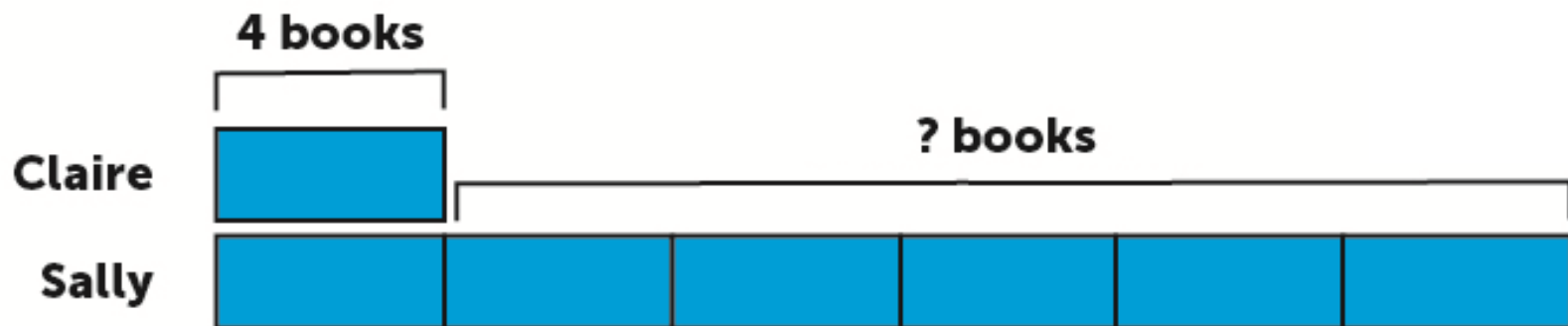
I can see that to find the value of a block, I need to divide 24 by 4. Each block is worth 6 cards. So James has 6 cards. The difference between 24 and 6 is 18. Sam has 18 cards more than James does.

Claire has 4 books. Sally has six times as many books as Claire. How many fewer books does Claire have than Sally?

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Claire has 4 books. Sally has six times as many books as Claire. How many fewer books does Claire have than Sally?



Each block is worth 4 books. Claire has 5 fewer blocks than Sally. So Claire has 5×4 , 20 fewer books than Sally.

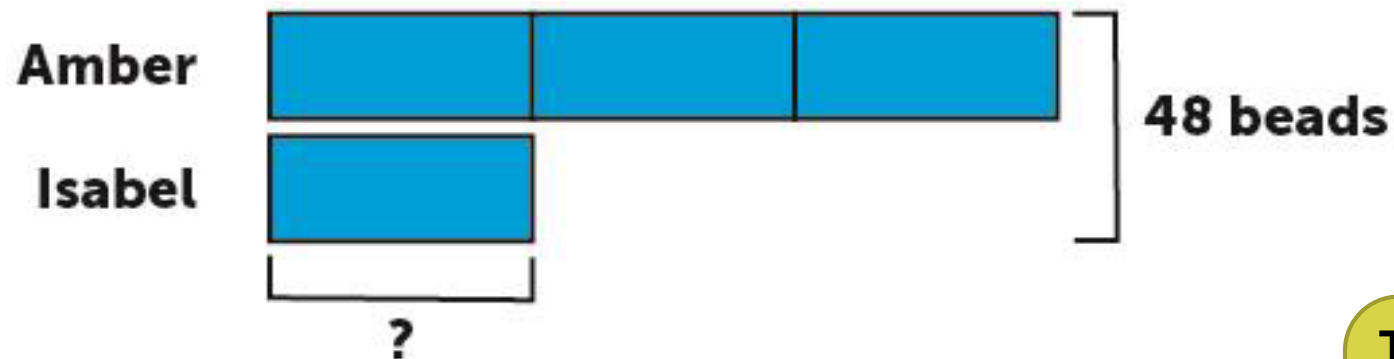
Amber has three times as many beads as Isabel. Together they have 48 beads. How many does Isabel have?

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Answer

Amber has three times as many beads as Isabel. Together they have 48 beads. How many does Isabel have?



Together they have 48 beads. There are 4 blocks. So each block is worth 12. Isabel has 12 beads. Amber has three times as many. She has 36 beads.

Task

1. Emma ate 4 strawberries at snack time. Claire ate four times as many strawberries as Emma. How many strawberries did they eat altogether?
2. Claire has 42 stickers, which is six times as many as Emma. How many fewer stickers does Emma have than Claire?
3. Ben has drawn this model. Write a story problem which matches Ben's model.

