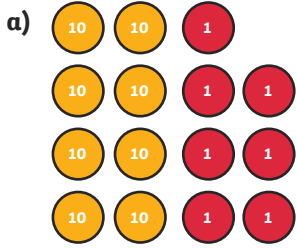
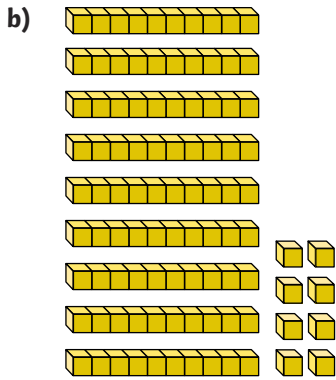


1) Use the representations to solve each division calculation. Do you need to exchange any tens for ones?



Tens	Ones

$$87 \div 4 = \square \text{ remainder } \square$$



Tens	Ones

$$98 \div 8 = \square \text{ remainder } \square$$

2) Ryder has 17 strawberries to make fruit kebabs. He puts 3 strawberries on each kebab. Complete his working out:



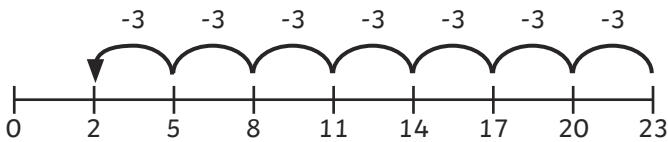
There are \_\_\_\_\_ strawberries.

There are \_\_\_\_\_ groups with \_\_\_\_\_ strawberries in each group.

There are \_\_\_\_\_ strawberries left over.

$$\square \div \square = \square \text{ remainder } \square$$

3) Keira has solved  $23 \div 3$  by using repeated subtraction.



$$23 \div 3 = 7 \text{ remainder } 2$$

Find the answer to  $24 \div 5$  by using the same method.

4) Katie's book has 52 pages. She reads 5 pages each night. How many pages will she have left to read on the last night?

Complete her working out:

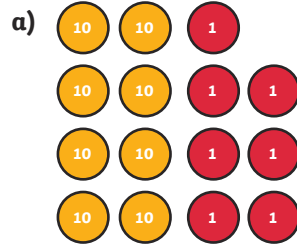
There are \_\_\_\_\_ pages.

She will read \_\_\_\_\_ pages a night for \_\_\_\_\_ nights.

There will be \_\_\_\_\_ pages left for the last night.

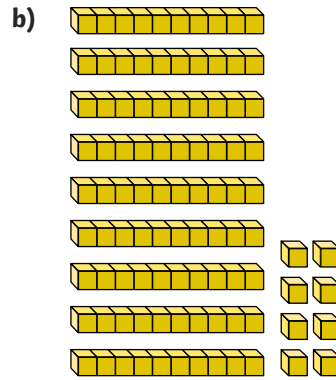
$$\square \div \square = \square \text{ remainder } \square$$

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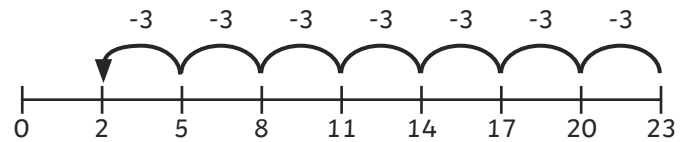
There are \_\_\_\_\_ strawberries.

There are \_\_\_\_\_ groups with \_\_\_\_\_ strawberries in each group.

There are \_\_\_\_\_ strawberries left over.

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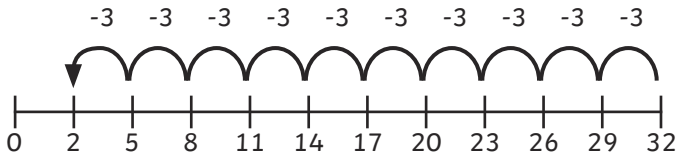
There are \_\_\_\_\_ pages.

She will read \_\_\_\_\_ pages a night for \_\_\_\_\_ nights.

There will be \_\_\_\_\_ pages left for the last night.

$$\square \div \square = \square \text{ remainder } \square$$

- 1) Marshall has used repeated subtraction to calculate the answer to  $32 \div 3$ .



The answer is 10.



Do you agree with Marshall? Explain your reasons.

- 2) Alex has used place value counters to find the answer to  $47 \div 4$ .

Tens	Ones
10	1 1
10	1 1
10	1 1
10	1

The answer has no remainder.



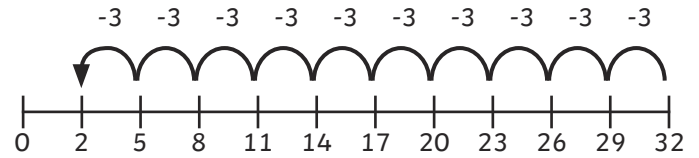
What mistake has Alex made?

How should she correct it?

- 3) Katie has divided a number by 3. She says that the answer has a remainder of 4. Ajay says that this cannot be correct.

Who do you agree with? Explain why.

- 1) Marshall has used repeated subtraction to calculate the answer to  $32 \div 3$ .



The answer is 10.



Do you agree with Marshall? Explain your reasons.

- 2) Alex has used place value counters to find the answer to  $47 \div 4$ .

Tens	Ones
10	1 1
10	1 1
10	1 1
10	1

The answer has no remainder.



What mistake has Alex made?

How should she correct it?

- 3) Katie has divided a number by 3. She says that the answer has a remainder of 4. Ajay says that this cannot be correct.

Who do you agree with? Explain why.

- 1) Use these numbers to solve the problems below.



In each question, you should use one number from each row. You might need to use some numbers more than once.

26	35	47	59
4	5	8	

- a) Write a division with a remainder of 1.  
b) Write a division with a remainder of 3.  
c) Write a division with no remainder.  
d) Write all the division calculations with a remainder that is an even number.
- 2) a) How many different division calculations can you make using one number from each row? Sort them into answers with remainders and answers with no remainders.

17	22	38	40
2	4	5	

No remainder	Remainder

- b) When you divide a number by 5, how do you know if it will have a remainder?  
c) When you divide a number by 2, how do you know if it will have a remainder?

- 1) Use these numbers to solve the problems below.



In each question, you should use one number from each row. You might need to use some numbers more than once.

26	35	47	59
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- a) Write a division with a remainder of 1.  
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- b) When you divide a number by 5, how do you know if it will have a remainder?  
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