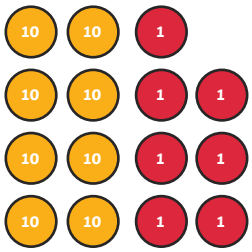
1) Use the representations to solve each division calculation. Do you need to exchange any tens for ones?

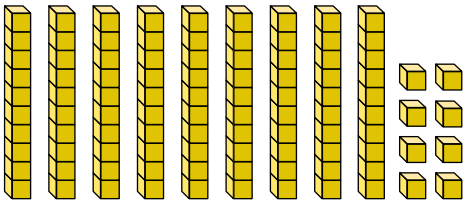
a)



Tens	Ones

87 ÷ 4 = ☐ remainder ☐

b)



Tens	Ones

98 ÷ 8 = ☐ remainder ☐

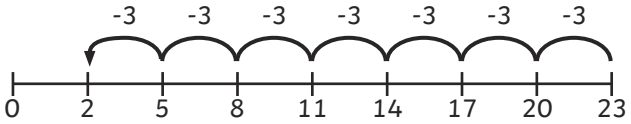
2) Ryder has 17 strawberries to make fruit kebabs. He puts 3 strawberries on each kebab. Complete his working out:

There are _____ strawberries.

There are _____ groups with _____ strawberries in each group. ☐ ÷ ☐ = ☐ remainder ☐

There are _____ strawberries left over.

3) Keira has solved 23 ÷ 3 by using repeated subtraction.



23 ÷ 3 = 7 remainder 2

Find the answer to 24 ÷ 5 by using the same method.

☐ ÷ ☐ = ☐ remainder ☐

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?

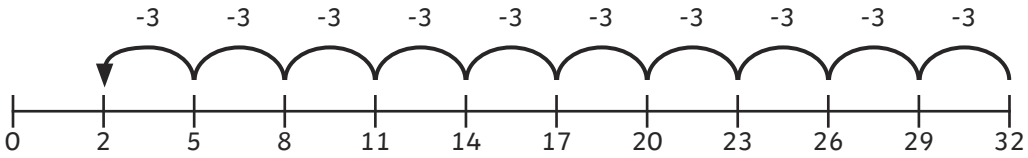
Complete her working out:

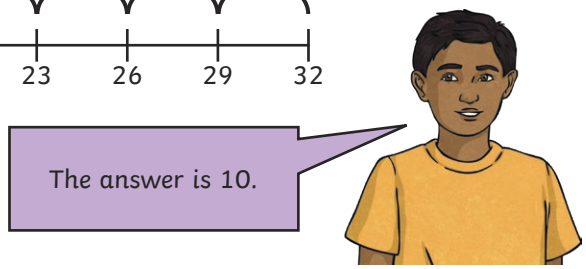
There are _____ pages.

She will read _____ pages a night for _____ nights. ☐ ÷ ☐ = ☐ remainder ☐

There will be _____ pages left for the last night.

1) Marshall has used repeated subtraction to calculate the answer to 32 ÷ 3.

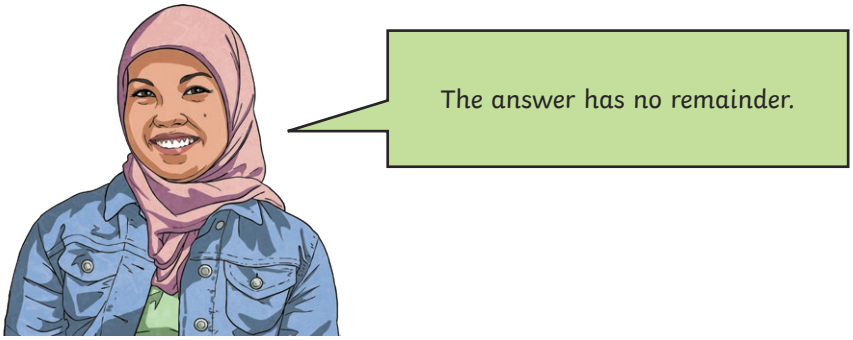




Do you agree with Marshall? Explain your reasons.

2) Alex has used place value counters to find the answer to 47 ÷ 4.

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



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 Ramainder	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?

_____