## Miss Phillips and Mrs Bowers Maths Home Learning

This week we are mainly focussing on division. In the series on division, you will see different ways to solve calculations, including using PV counters, using the part/whole model and using a number line. Remember that you can use any objects that you have handy to represent PV counters.

Watch the videos, pausing where necessary, and then complete the relevant worksheet. Questions 1-4 tend to be more scaffolded; questions 5 to the end require more careful thought and problem solving skills. Have fun! Contact us if you need any further help.

e) $3 \times 240$

f) $7 \times 131$


5 A lorry driver travels 156 km per day How many kilometres will the lorry driver have travelled after 3 days?
$\square$
Ron and Teddy are working out $5 \times 245$


A pineapple weighs 345 g


Bag $\mathbf{A}$ contains 8 bananas and bag $\mathbf{B}$ contains 3 pineapples. Which bag weighs more and by how much? Show your working.
Bag $\qquad$
$\square$ g more than bag $\qquad$ -.
There are 7 year groups in a school.
There are 112 children in each year group.
How many children are there in the whole school?
(

Divide 2 digits by 1 digit (1)
https://vimeo.com/497573248

(5) Teddy is working out $57 \div 3$


How does Teddy know this? Talk about it with a partner.
6)

Amir is working out $68 \div 4$


Talk about Amir's method with a partner.Use Amir's method to complete these calculations.
a) $42 \div 3=\square$

b) $96 \div 4=\square$

c) $85 \div 5=$


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\text { d) } 84 \div 6=
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Kim has 92 beads.
She wants to share them equally between 4 friends.
How many beads will each friend get?Write <, > or = to make the statements correct.


Wednesday $3^{\text {rd }}$ February
Divide 2 digits by 1 digit (2)
https://vimeo.com/492601
Use base 10 or counters to work out the divisions.
a) $45 \div 3=\square$
b) $57 \div 3=\square$
c) $92 \div 4=$
Rosie and Tommy are working out $52 \div 4$
They both use a part-whole model.

a) Whose part-whole model will help them with the division?

## How do you know?

$\qquad$
$\qquad$
b) Use a part-whole model to work out $52 \div 4$ $\square$ ,

Use the part-whole models to complete the divisions. a) $48 \div 3=\square$

b) $96 \div 4=$
 c) $65 \div 5=\square$

d) $75 \div 3=$ $\square$
7) Here are 3 divisions.

a) What is the same about the questions? What is different?
b) Complete the divisions.


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9
$$

$\square$

c) What do you notice? Talk about it with a partner.

Divide 2 digits by 1 digit (3)
https://vimeo.com/497601665


(5)

Eva works out $34 \div 4$


Is Eva correct? $\qquad$


How do you know?

6 Complete the calculations.
a) $29 \div \square=4$ remainder 5 c) $29 \div$ = $=14$ remainder 1
b) $29 \div \square=4$ remainder 1
(7)

How do you know there is no remainder when 75 is divided by 5?

Without doing the division, what is the remainder when 76 is divided by 5 ?

8 Use place value counters and a place value chart to work out the divisions.
a) $87 \div 4=$ $\qquad$ remainder
b) $77 \div 3=\square$ remainder $\square$
c) $74 \div 5=\square$ remainder
9) Teddy has fewer than 60 marbles but more than 40

When he shares them equally into 3 pots he has no remainders.
When he shares them equally into 4 pots he has remainder 3
When he shares them equally into 5 pots he has remainder 1
How many marbles could Teddy have?

Divide 3 digits by 1 digit
https://vimeo.com/497992648


Use Whitney's method to work out these divisions.
a) $585 \div 5$ $\square$
c) $648 \div 4=$ $\square$
b) $672 \div 6=$ $\square$
d) $847 \div 7=$ $\square$Complete the part-whole models and divisions

$168 \div 4=$ $\square$


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169 \div 4=\square
$$

What is the same and what is different about the calculations? Talk about it with a partner.Complete the divisions.
a) $258 \div 6=$ $\square$ c) $864 \div 4=$ $\square$
b) $623 \div 5=$ $\square$ d) $824 \div 3=$ $\qquad$
8) Eva has a piece of ribbon.

The ribbon measures 839 cm long.


How much ribbon would be left over if she cuts it into:
a) 4 equal pieces

b) 6 equal pieces

c) 8 equal pieces


Can Eva cut the ribbon into equal pieces
with no ribbon left over?
Explain your answer

Use 15 counters and a place value chart.
a) Can you make a number that is divisible by 3 ?
b) Can you make a number that has a remainder of 1 when divided by 3 ?
c) Can you make a number that has a remainder of 2 when divided by 3?

What do you notice? Talk about your findings with a partner.

