



## HOME LEARNING

YEAR 4

22/04/2020

### Morning Message

Good morning Year 4,

We hope you're getting back into a routine of home learning. We have enjoyed seeing and marking your science work on teeth. We have put some on the Purple-mash class noticeboard for you to see. Today's writing is a newspaper report.

In maths we will be continuing with dividing by 10. It would be useful to draw the grid to help you with your answers.

Please, remember that your Purple Mash login details are the same as your Mathematics login.

Continue practising your spellings, multiplication tables and also reading every day. Let's have an enjoyable day everyone.

Ms Foster, Mr Sowa and Ms Greenaway.

### Today's Picture



## Writing

Write a newspaper report about the events in the picture.

Think about: What might have happened. Was there a scientific accident, which caused an employee to grow? Is there a giant on the loose? Is it a mystery?

Remember to include:

- A catchy headline
- Opening paragraph
- Factual information
- Opinion
- Quotes

Go on BBC bitesize to remind yourself of how to write a newspaper article:

<https://www.bbc.co.uk/bitesize/topics/z2yycdm/articles/z2gk9qt>

## Reading

Home Reading Task:

Wednesday

In your home learning writing book write today's date in the margin and write:

Reading -Day 3 Teacher comprehension questions.

Re-read this week's text and answer these questions. You don't need to write out the questions, but you do need to write in full sentences which means include part of the question in your answer.

1. What does Bavar's auntie give him in the basket every day?
2. How does Bavar write?
3. Angel lies to her school friends about what jobs her mum and dad do. Why do you think she does this?
4. Does Bavar like the way he looks? What makes you think this?
5. Why do you think no-one teases Bavar? Do you think that you might tease Bavar if he came into our classroom? Why?

# Maths

Year 4 Power Maths

Pages 132 - 134

22-4-20

## Dividing by 10 part 2

In today's maths we will be exploring how to divide 1 and 2 digit numbers by 10 and 100 and reinforce your understanding of tenths and hundredths as decimals.

Key vocabulary: **tens, tenths, hundredths, thousandths, ones, decimal point, centimetre, equivalent, less than, greater than, decimal and millimetre.**

### Starter

e.g. 1)  $62 \div 10 =$

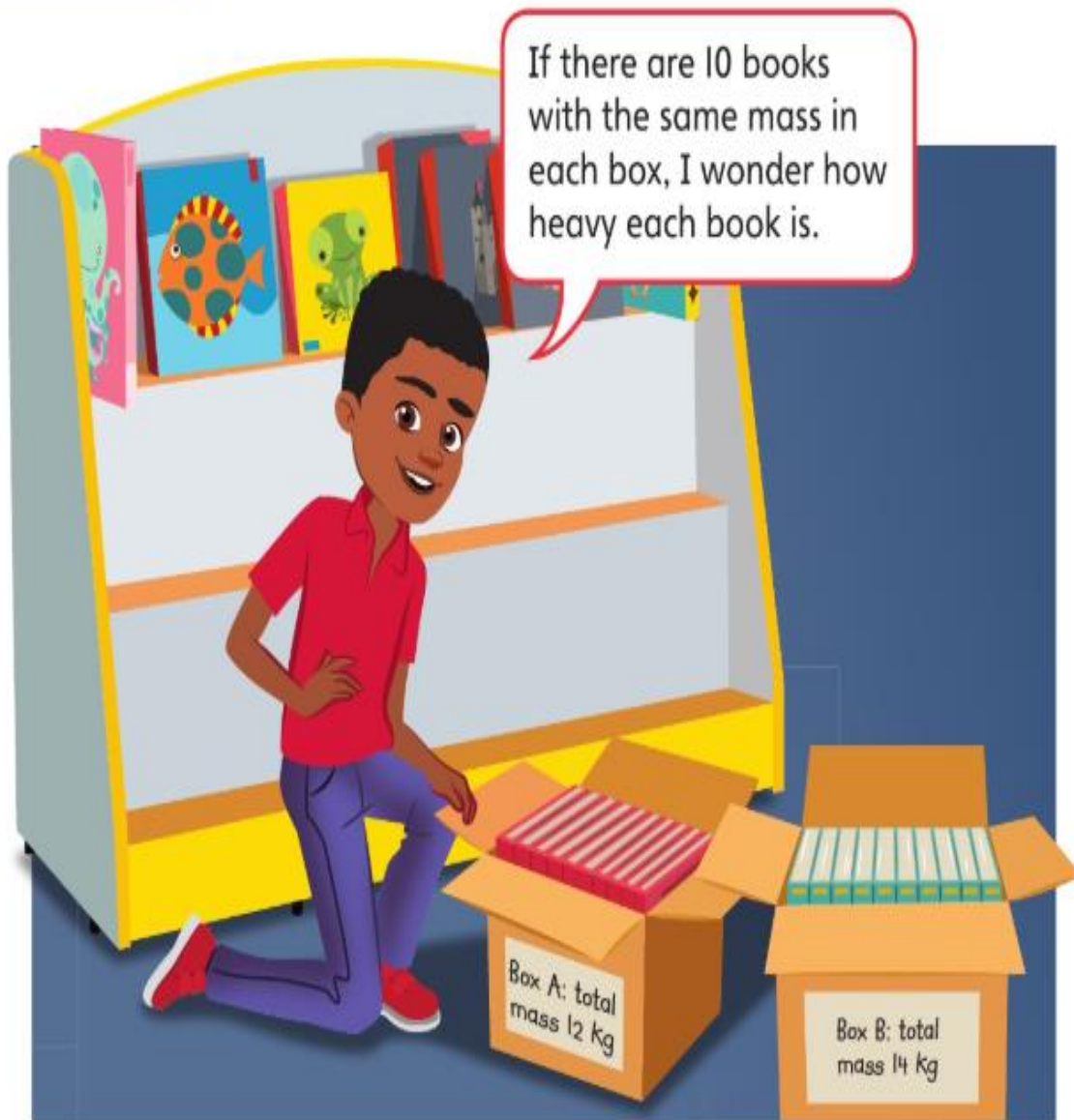
2)  $67 \div 10 =$

**Challenge:** 3)  $142 \div 10 =$

| Thousand | Hundred  | Tens     | Ones     | Decimal point | Tenths | Hundredths | Thousandths |
|----------|----------|----------|----------|---------------|--------|------------|-------------|
|          | <b>1</b> | <b>4</b> | <b>2</b> | .             |        |            |             |
|          |          |          |          | .             |        |            |             |
|          |          |          |          |               |        |            |             |

1. What will happen to each digit when you divide by 10?
2. Use the grid to help you.

## Discover



- 1 a) How heavy is each book in Box A?
- b) How heavy is each book in Box B?

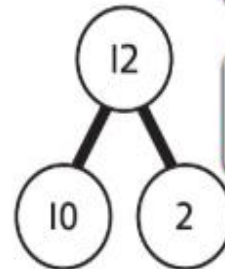
What do you notice about the digits in the answer?

## Share



a) 12 can be partitioned into 1 ten and 2 ones.

I will try what we did in the last lesson and divide each digit by 10.



1 ten and 2 ones =  
10 ones and 20 tenths

$10 \text{ ones} \div 10 = 1 \text{ one}$

$20 \text{ tenths} \div 10 = 2 \text{ tenths}$

So,  $12 \div 10 = 1 \text{ one and}$   
 $2 \text{ tenths}$

$= 1.2$

| T | O  | . | Tth |
|---|----|---|-----|
| ● | ●● | ● |     |

| T | O      | . | Tth            |
|---|--------|---|----------------|
|   | ●●●●●● | ● | ●● ●● ●● ●● ●● |

Each book in Box A weighs 1.2 kg.

b) We need to calculate  $14 \div 10$ .

$14 = 1 \text{ ten and } 4 \text{ ones}$

$= 10 \text{ ones and } 40 \text{ tenths}$

$10 \text{ ones} \div 10 = 1 \text{ one}$

$40 \text{ tenths} \div 10 = 4 \text{ tenths}$

So,  $14 \div 10 = 1 \text{ one and } 4 \text{ tenths} = 1.4$

Each book in Box B weighs 1.4 kg.

The digits in 14 and 1.4 are the same, but their position has changed.

I will visualise the place value counters on a place value grid.





## Think together

- 1 A box of 10 identical toy cars has a mass of 23 kg.

What is the mass of each car?

| T  | O   | . | Tth |
|----|-----|---|-----|
| ●● | ●●● | ● |     |

| T | O          | . | Tth            |
|---|------------|---|----------------|
|   | ●●●●●●●●●● | ● | ●● ●● ●● ●● ●● |

23 = 2 tens and 3 ones

= 20 ones and 30 tenths.

20 ones  $\div$  10 =  ones.

30 tenths  $\div$  10 =  tenths.

23  $\div$  10 =  ones and  tenths.

The mass of each toy car is   kg.

- 2 What calculation do these place value grids help you to solve?

$$\square \div \square = \square$$

| T   | O | . | Tth |
|-----|---|---|-----|
| ●●● | ● | ● |     |

| T | O          | . | Tth            |
|---|------------|---|----------------|
|   | ●●●●●●●●●● | ● | ●● ●● ●● ●● ●● |

**CHALLENGE**

- 3 What are the largest and the smallest answers for Number B that can be made in the number sentence below? Use two of the digit cards to represent Numbers A and B.

$$\text{Number A} \div 10 = \text{Number B}$$



$$\begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array} \div 10 = \begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array}$$

Number A                  Number B

I do not think using trial and error is the most efficient way to find the solutions. I will look for another way.



Is there a pattern linking the Number A values and the Number B values?



Tuesday and Thursday: Go on the Mathletics website to complete the tasks that have been set. <https://www.mathletics.com/uk/>

## Weekly Spellings

**Spelling focus for the week:** We are revising the statutory spelling words for Year 4.

|            |              |            |
|------------|--------------|------------|
| experience | occasionally | antique    |
| length     | crescent     | strength   |
| medicine   | separate     | possession |
| weight     | straight     | potatoes   |
| naughty    | reign        | disappear  |

**You should know what the word means and be able to use it in a sentence.**

## Foundation Work (for the week)

## Diary

Write a diary of what work and activities you did today.  
Remember to include your **emotions and opinions**.