

Hola niñas/niños

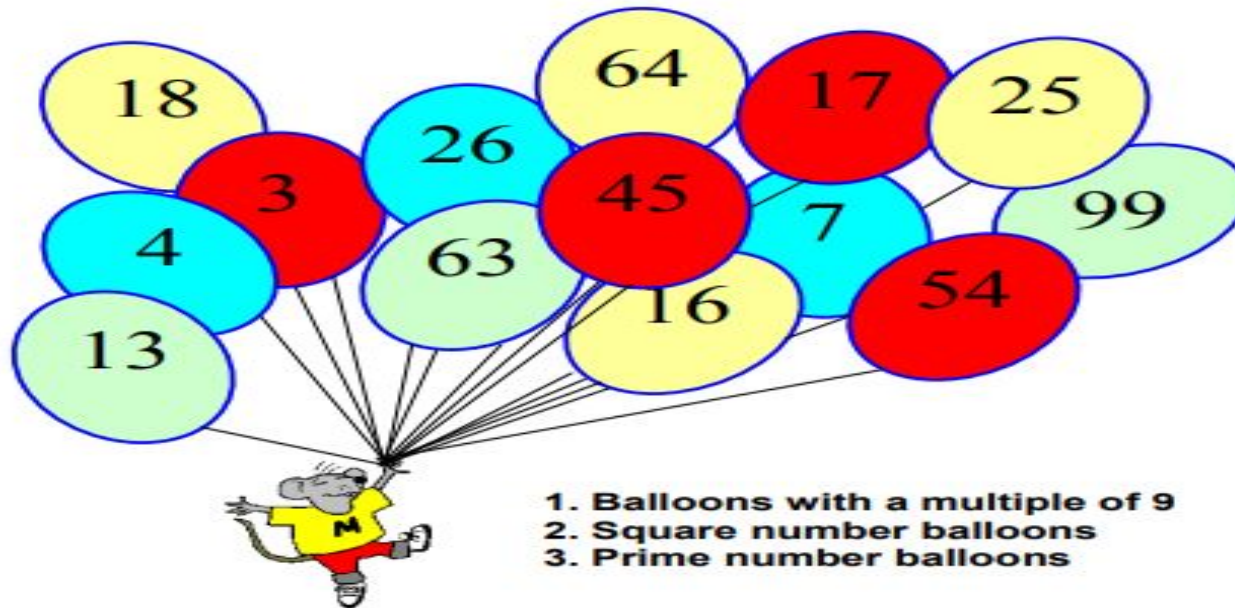
Well done for all of your hard work this week. Let us start with a maths problem.



Puzzle time

Balloon bursting

If a number in one of the balloons is included in the answers to the four problems below then that balloon will fly away.



1. Balloons with a multiple of 9
2. Square number balloons
3. Prime number balloons

WHICH BALLOON IS LEFT?

For the main task we are going to continue to work from the White Rose site. We are going to divide decimals by 10, 100 and 1,000.

Please follow the link carefully.

Please let the video guide you when tackling the activity.

1. Copy or click on the link (press Ctrl then click) <https://whiterosemaths.com/homelearning/>

Then click Year 5

Summer Term Plans
White Rose Maths in partnership with the BBC Bitesize Daily team has developed a 12-week learning programme for the summer term. This scheme is designed to help children be ready for their next year of school.
[Click here for more details](#)

Hello there, Parents and Carers!
As schools worldwide close for now in response to COVID-19 you might be wondering how best to help your child or children with their studies at home.
Always happy to help, the White Rose Maths Team has prepared a series of five maths lessons for each year group from Year 1-8. We will be adding five more each week for the next few weeks. Every lesson comes with a short video showing you clearly and simply how to help your child to complete the activity successfully.

Home Learning
Summer Term
Easter Fun
Home Learning – Early Years
Home Learning – Year 1
Home Learning – Year 2
Home Learning – Year 3
Home Learning – Year 4
Home Learning – Year 5
Home Learning – Year 6
Home Learning – Year 6
Home Learning – Year 7
Home Learning – Year 8
Home Learning – Year 9
Home Learning – Year 10

Early Years Year 1 Year 2
Year 3 Year 4 Year 5 ← click
Year 6 Year 7 Year 8
Year 9 Year 10 By Topic


Click


Summer Term - Week 9 (w/c 22nd June)

First, watch the video to support your learning and use it to work on the activity sheets below.

Lesson 4 - Divide decimals by 10 100 and 1000

35 ÷ 100 =

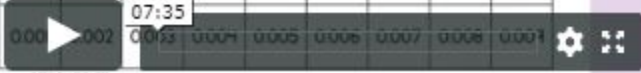
Have a go 



100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

07:35

000 002 003 004 005 006 007 008 009



Looking for the worksheets? Contact your c
check if they have a subscription to our worl
Alternatively, [read more here](#) or get some e
from [BBC Bitesize](#).

Now complete the worksheets below.

Task -

Dividing decimals by 10, 100 and 1,000

Rose Maths

1 Complete the divisions.

H	T	O	Tths	Hths
		5		

 $5 \div 10 = \square$

H	T	O	Tths	Hths
	1	5		

 $15 \div 10 = \square$

H	T	O	Tths	Hths
		3	8	

 $3.8 \div 10 = \square$

H	T	O	Tths	Hths
	1	3	8	

 $13.8 \div 10 = \square$

What do you notice when you divide a number by 10?

2 Complete the calculations.

a) $7 \div 10 = \square$ d) $16 \div 10 = \square$

b) $7.8 \div 10 = \square$ e) $16.4 \div 10 = \square$

c) $7.86 \div 10 = \square$ f) $16.48 \div 10 = \square$

3 Complete the divisions.

H	T	O	Tths	Hths	Thths
	1	7			

 $17 \div 100 = \square$

H	T	O	Tths	Hths	Thths
		9	4		

 $9.4 \div 100 = \square$

H	T	O	Tths	Hths	Thths
2	7	6			

 $276 \div 100 = \square$

H	T	O	Tths	Hths	Thths
	3	2	5		

 $32.5 \div 100 = \square$

What do you notice when you divide a number by 100?

4 Complete the divisions.

a) $7 \div 100 = \square$ b) $109 \div 100 = \square$

$7.2 \div 100 = \square$ $10.9 \div 100 = \square$

$7.25 \div 100 = \square$ $10.95 \div 100 = \square$

- 5 Use a place value chart to work out $136 \div 1,000$

H	T	O	Tths	Hths	Thths
1	3	6			

Complete the calculation.

$$136 \div 1,000 = \square$$

Talk to a partner about your method.

- 6 Use your knowledge of measure to work out the answers.

- a) What is the mass of the box in kilograms?

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



- b) What is the height of the sunflower in metres?

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

235 cm



- c) What is the amount of juice in litres?

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



- 7 Complete the calculations.

a) $147 \div 10 = \square$

c) $3,200 \div 10 = \square$

$147 \div 100 = \square$

$3,200 \div 100 = \square$

$147 \div 1,000 = \square$

$3,200 \div 1,000 = \square$

b) $21 \div 10 = \square$

d) $5,006 \div 10 = \square$

$21 \div 100 = \square$

$5,006 \div 100 = \square$

$21 \div 1,000 = \square$

$5,006 \div 1,000 = \square$

- 8 Complete the divisions.

a) $83 \div \square = 0.83$

e) $1,799 \div \square = 17.99$

b) $\square \div 10 = 0.95$

f) $\square \div 100 = 11.8$

c) $\square \div 10 = 3.9$

g) $178 \div \square = 17.8$

d) $68 \div \square = 0.068$

h) $3.18 \div \square = 0.318$

Answers -

Dividing decimals by 10, 100 and 1,000



1 Complete the divisions.

a)

H	T	O	Tths	Hths
		5		

 $5 \div 10 = 0.5$

b)

H	T	O	Tths	Hths
	1	5		

 $15 \div 10 = 1.5$

c)

H	T	O	Tths	Hths
		3	8	

 $3.8 \div 10 = 0.38$

d)

H	T	O	Tths	Hths
	1	3	8	

 $13.8 \div 10 = 1.38$

What do you notice when you divide a number by 10?

2 Complete the calculations.

a) $7 \div 10 = 0.7$ d) $16 \div 10 = 1.6$

b) $7.8 \div 10 = 0.78$ e) $16.4 \div 10 = 1.64$

c) $7.86 \div 10 = 0.786$ f) $16.48 \div 10 = 1.648$

3 Complete the divisions.

a)

H	T	O	Tths	Hths	Thths
	1	7			

 $17 \div 100 = 0.17$

b)

H	T	O	Tths	Hths	Thths
		9	4		

 $9.4 \div 100 = 0.094$

c)

H	T	O	Tths	Hths	Thths
2	7	6			

 $276 \div 100 = 2.76$

d)

H	T	O	Tths	Hths	Thths
	3	2	5		

 $32.5 \div 100 = 0.325$

What do you notice when you divide a number by 100?

4 Complete the divisions.

a) $7 \div 100 = 0.07$ b) $109 \div 100 = 1.09$

$7.2 \div 100 = 0.072$ $10.9 \div 100 = 0.109$

$7.25 \div 100 = 0.0725$ $10.95 \div 100 = 0.1095$

- 5 Use a place value chart to work out $136 \div 1,000$

H	T	O	Tths	Hths	Thths
1	3	6			

Complete the calculation.

$$136 \div 1,000 = 0.136$$

Talk to a partner about your method.

- 6 Use your knowledge of measure to work out the answers.

- a) What is the mass of the box in kilograms?

$$2,340 \div 1,000 = 2.34$$



- b) What is the height of the sunflower in metres?

$$235 \div 100 = 2.35$$

235 cm



- c) What is the amount of juice in litres?

$$380 \div 1,000 = 0.38$$



- 7 Complete the calculations.

a) $147 \div 10 = 14.7$

c) $3,200 \div 10 = 320$

$147 \div 100 = 1.47$

$3,200 \div 100 = 32$

$147 \div 1,000 = 0.147$

$3,200 \div 1,000 = 3.2$

b) $21 \div 10 = 2.1$

d) $5,006 \div 10 = 500.6$

$21 \div 100 = 0.21$

$5,006 \div 100 = 50.06$

$21 \div 1,000 = 0.021$

$5,006 \div 1,000 = 5.006$

- 8 Complete the divisions.

a) $83 \div 100 = 0.83$

e) $1,799 \div 100 = 17.99$

b) $9.5 \div 10 = 0.95$

f) $1,180 \div 100 = 11.8$

c) $39 \div 10 = 3.9$

g) $178 \div 10 = 17.8$

d) $68 \div 1,000 = 0.068$

h) $3.18 \div 10 = 0.318$

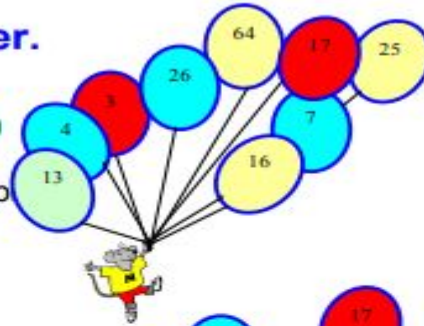


Puzzle time

Balloon bursting - answer.

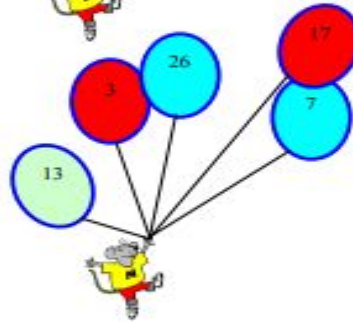
1. Balloons with a multiple of 9

As you know the digits of a multiple of 9 add up to 9 so that takes away 18, 45, 54, 63 and 99



2. Square number balloons

The square numbers are:
4, 16, 25 and 64



2. Prime number balloons

A prime number is a whole number with only two factors.
The prime numbers are:
3, 7, 13, and 17



That leaves just 26.