

Short and Long Division with Decimals

Mental Maths Warm Up

Answer these as quickly as you can, saying your answer out loud or in your head...

- 1) How many lots of 12 are there in 48?
- 2) What's the remainder when you divide 51 by 12?
- 3) How many tens is six hundreds?
- 4) How many tenths is four ones?

Answers: 1) 4 2) 3 3) 60 4) 40

Now try these. Give your answers as decimals in the boxes. One has been done for you.

1) $152 \div 5$

5 doesn't go into 1, so exchange the 1 hundred for 10 tens.

$15 \div 5 = 3$

5 doesn't go into 2, so add in a decimal point and exchange the 2 for 20 tenths.

$20 \div 5 = 4$

30.4

2) $89 \div 5$

1 mark

3) $129 \div 6$

1 mark

4) $196 \div 8$

1 mark

5) $1026 \div 4$

1 mark

6) $631 \div 5$

1 mark

7) $393 \div 5$

1 mark

8) $258 \div 8$

1 mark

Your answer will have two decimal places here — you'll need to exchange some tenths for hundredths.