MATHSFRAME.co.uk

Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents

1

$0.168 = \frac{168}{1,000}$

a) $0.206 = \frac{\square}{1,000}$

b) $4.085 = \frac{\square}{1,000}$

c) $\square = \frac{682}{1,000}$

d) $\square = \frac{3,008}{1,000}$

e) $\square = \frac{9,070}{1,000}$

f) $\frac{1}{10} = \frac{\square}{1,000}$

g) $\frac{1}{100} = \frac{\square}{1,000}$

h) $\frac{1}{4} = \frac{\square}{1,000}$

2

a) $0.526 = \frac{5}{10} + \frac{2}{100} + \frac{\square}{1,000}$

b) $\square = \frac{7}{10} + \frac{4}{100} + \frac{9}{1,000}$

c) $\square = \frac{4}{10} + \frac{3}{1,000}$

3

a) $3.993 = 4 - \frac{\square}{1,000}$

b) $2.988 = 3 - \frac{\square}{1,000}$

c) $8.95 = 9 - \frac{\square}{1,000}$

d) $\square = 6 - \frac{25}{1,000}$

e) $\square = 10 - \frac{4,500}{1,000}$

f) $\square = 1 - \frac{832}{1,000}$

4

Look at these signs.

Write the correct sign in each box.

< = >

a) $\frac{4}{10} \square \frac{40}{1,000}$

b) $\frac{16}{100} \square \frac{160}{1,000}$

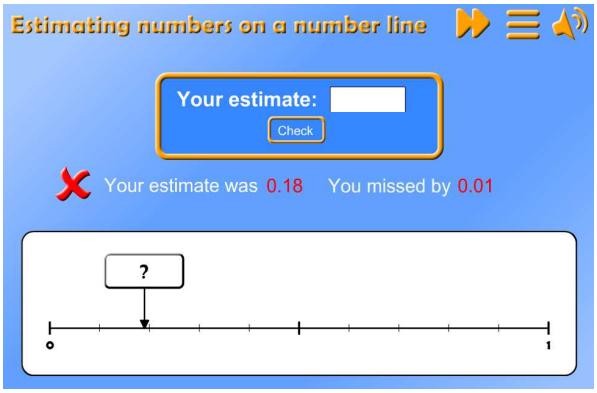
c) $0.35 \square \frac{3}{10} + \frac{5}{1,000}$

d) $\frac{13}{10} \square \frac{1,300}{1,000}$

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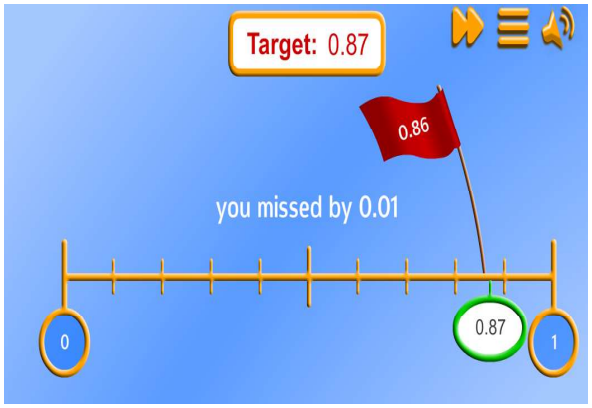
Teacher's notes

Useful interactive games to teach the skills needed to recognise and use decimal place value



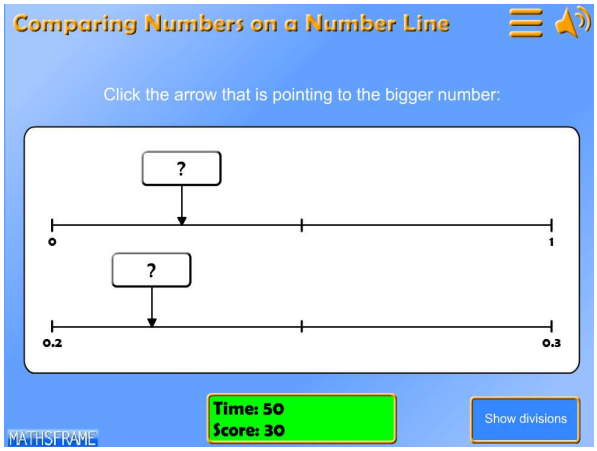
http://mathsframe.co.uk/en/resources/resource/265/Estimate_Number_Line

Estimate the number on a number line and then adjust your estimate when you find out how much you missed by. A great game to teach place value as well as calculating with decimal numbers. I play this game as a whole class warm-up. The children have to write on their whiteboards their estimates and then calculate the correct number when the error is given



http://mathsframe.co.uk/en/resources/resource/37/placing_numbers_on_a_number_line

Drag the arrow to the correct position on the number line. Play against the clock for points. Lots of choice of level. This game is also available as an iPad app.



http://mathsframe.co.uk/en/resources/resource/266/Compare_Numbers_on_a_Number_Line

Click on the arrow that is pointing to the bigger number. The number lines use different scales so it encourages children to think about the value of varying scales. Click on 'show divisions' to begin with and then discuss the value of each of the divisions.

There are many more games that help develop an understanding of decimals here: http://mathsframe.co.uk/en/resources/category/18/fractions_decimals_and_percentages

Answers: 1) a) 206 b) 4085 c) 0.682 d) 3.008 e) 9.07 f) 100 g) 10 h) 250

2) a) 6 b) 0.749 c) 0.403

3) a) 7 b) 12 c) 50 d) 5.975 e) 5.5 f) 0.168

4) a) > b) = c) > d) =

v1 created 31/1/17