GCSE HIGHER · REVISION MAT 5

Ordering numbers

1 Write in order, smallest first.

$-10, 6, -4, -12, 0$

2 Write < or > in the box.

$0.09 \square 0.1$

3 Explain why $\frac{5}{8} > \frac{5}{9}$.

4 Write in order, smallest first.

$1\frac{1}{4}$, 1.24, $\frac{13}{10}$, 128%

5 Show that $-0.6 < -\frac{4}{7}$.

6 Find the largest integer n for which $3n < 50$.

7 Write in order, smallest first.

$2^5, 5^2, 3^3, 6^2$

8 $a < 0 < b$

Is each statement always true?

(a) $ab < 0$ (b) $a - b < 0$ (c) $a^2 > b^2$

Mr&Mrs MATHS

ANSWERS · REVISION MAT 5

Ordering numbers

1 $-12, -10, -4, 0, 6$

2 $0.09 < 0.1$

3 Same number of parts, but eighths are bigger than ninths.

4 1.25, 1.24, 1.3, 1.28

$1.24, 1\frac{1}{4}, 128\%, \frac{13}{10}$

5 $-\frac{4}{7} = -0.571...$

-0.6 is further below zero.

6 $n < 16.67$

$n = 16$

7 32, 25, 27, 36

$5^2, 3^3, 2^5, 6^2$

8 (a) Yes (b) Yes

(c) No, e.g. $a = -1$, $b = 5$

Mr&Mrs MATHS