Home learning:

Pages 102 and 103 - Questions: 14aceg , 16bf , 17ac , 21 , 24ac

NOTE:

Don't just give answers - you must copy down the question first. When you see fractions, you must use fractions and show all work. Ignore anything about "number lines".

14. Write 3 rational numbers between each pair
of numbers. Sketch a number line to show
all the rational numbers.

a) $\dfrac{5}{8}, \dfrac{13}{8}$

c) $-\dfrac{15}{4}, -\dfrac{11}{3}$

e) $\dfrac{1}{6}, 0.5$

g) $-\dfrac{14}{5}, -3$

16. Which rational number is greater? Which
strategies did you use to find out?

b) $-2.34, -2.3$

d) $3.96, -4.12$

17. Which rational number is less?
Explain how you know.

a) $\dfrac{3}{4}, \dfrac{3}{5}$

c) $-\dfrac{13}{10}, -\dfrac{13}{5}$

21. Use $<, >,$ or $=$ to make each expression true. Justify your answers.

a) $-\dfrac{5}{7} \ \square \ -\dfrac{4}{7}$

b) $-\dfrac{5}{6} \ \square \ -\dfrac{5}{7}$

c) $-2.2 \ \square \ -\dfrac{11}{5}$

d) $-4.4\overline{6} \ \square \ -4.46$

24. Show each set of numbers on a number line. Order the numbers from greatest to least.

a) $\frac{3}{8}$, $-\frac{3}{4}$, $-\frac{1}{2}$, $-\frac{5}{8}$, $\frac{1}{4}$, 0

c) $-\dfrac{9}{5}, \ -\dfrac{17}{10}, \ -1\dfrac{1}{2}, \ \dfrac{16}{4}, \ -\dfrac{11}{4}, \ \dfrac{21}{5}$