

GCSE Maths: Place value and ordering numbers (Higher): worksheet

GCSE Maths - Number Basics - Higher - Lesson 1.1

Name: _____

Date: _____

Score: _____

14 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/gcse/maths/ch01-number-basics/higher/place-value-and-ordering-numbers/

Exercise 1A Place value and ordering Non-calculator

1 Write down the value of the underlined digit.

(a) 5324

Answer: _____

(b) 706 135

Answer: _____

(c) 1.86

Answer: _____

(d) 12.047

Answer: _____

(e) 9 052 310

Answer: _____

(f) 0.03

Answer: _____

2 Write each number in words.

(a) 6 204

Answer: _____

(b) 58 030

Answer: _____

(c) 2 100 500

Answer: _____

(d) 4.07

Answer: _____

3 Write each of these as a number using digits.

(a) nine thousand and fifteen

Answer: _____

(b) forty thousand and six

Answer: _____

(c) three hundred and eighty thousand two hundred and fifty

Answer: _____

(d) two million seven thousand

Answer:

4 Put the correct symbol, < or > or =, between each pair of numbers.

(a) 3.07 ? 3.7

Answer:

(b) 0.8 ? 0.8

Answer:

(c) 12.5 ? 12.45

Answer:

(d) 4509 ? 4590

Answer:

(e) 6.05 ? 6.005

Answer:

(f) 0.31 ? 0.299

Answer:

5 Write each list of numbers in order, starting with the smallest.

(a) 4065, 4506, 4056, 4650

Answer:

(b) 0.6, 0.06, 0.65, 0.605

Answer:

(c) 3.4, 3.04, 3.44, 3.404, 3.044

Answer:

6 Work out each answer by moving the digits.

(a) 6.4×10

Answer:

(b) 0.35×100

Answer:

(c) $2900 \div 100$

Answer:

(d) $45.6 \div 10$

Answer:

(e) 0.072×1000

Answer:

(f) $83 \div 1000$

Answer:

7 Write **true or **false** for each statement. Give a reason.**

(a) $0.5 > 0.45$

Answer:

(b) $7 \geq 7$

Answer:

(c) $0.30 \neq 0.3$

Answer:

(d) $1000 < 999$

Answer:

8 Use all of the digits 6, 3, 9 and 1 once each to make a four-digit number.

(a) the largest possible number

Answer:

(b) the smallest possible number

Answer:

(c) the largest possible **even** number

Answer:

9 The crowds at four football matches were 45 302, 45 032, 44 999 and 45 230. Write the crowds in order, with the biggest crowd first.

Answer:

10 Kasim says, "0.35 is bigger than 0.4 because 35 is bigger than 4." Is Kasim right? Give a reason.

Answer:

11 List all the whole numbers n such that $12 < n \leq 17$.

Answer:

12 Write down a decimal that is bigger than 0.31 and smaller than 0.32.

Answer:

13 Write these numbers in order, smallest first: $\frac{3}{5}$, 0.55, $\frac{5}{8}$, 0.6

Answer:

14 Is each statement **always true**, **sometimes true** or **never true**? Give an example.

(a) A whole number with more digits is bigger than a whole number with fewer digits.

Answer:

(b) A decimal with more digits is bigger than a decimal with fewer digits.

Answer:

(c) Multiplying a number by 10 always makes the number bigger.

Answer: