Place Value: Medium Practice Paper 10

Q1. Only one digit of the number 6,482 may be changed. Which change makes the number as close as possible to 7,000?

A. Change the 6 to a 7

B. Change the 8 to a 9

C. Change the 2 to a 9

D. Change the 4 to a 9

E. Change the 4 to a 0

Q2. What is 6 tenths added to 12 hundredths?

A. 0.18 *B.* 0.612 *C.* 1.8 *D.* 7.2 *E.* 0.72

Q3. How many lots of 250,000 make 2 million?

A. 4 *B.* 6 *C.* 80 *D.* 800 *E.* 8

Q4. A four-digit number has four different digits that add up to 10. What is the largest number it could be?

A. 9,100 *B.* 8,110 *C.* 7,201 *D.* 7,210 *E.* 6,310

Q5. Ella writes a number with exactly one decimal place. It is greater than 4.8 and less than 5.1. How many different numbers could she have written?

A. 1 *B.* 3 *C.* 4 *D.* 0 *E.* 2

Q6. A prize of £1 million is paid entirely in £50 notes. How many notes are needed?

A. 2,000 *B.* 20,000 *C.* 50,000 *D.* 200,000 *E.* 5,000

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Q7. In the number 27.438, what is the value of the digit 4 added to the value of the digit 3?

A. 0.43 *B.* 7 *C.* 0.7 *D.* 0.07 *E.* 4.3

Q8. 1,000 identical nails have a total mass of 2.5 kg. What is the mass of 10 of the nails?

A. 0.25 g *B.* 2.5 g *C.* 250 g *D.* 25 g *E.* 2.5 kg

Q9. Which of these has the same value as 60 thousandths?

A. 0.6 *B.* 0.006 *C.* 6 *D.* 0.0006 *E.* 0.06

Q10. Which is larger, 1.5 million or 1,490,000, and by how much?

A. 1,490,000 is larger by 10,000

B. 1.5 million is larger by 10,000

C. 1.5 million is larger by 1,000

D. 1,490,000 is larger by 1,000

E. 1.5 million is larger by 100,000

Q11. What number is exactly 0.5 less than one million?

A. 999,995

B. 999,500

C. 500,000

D. 999,999.5

E. 999,999.05

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Q12. A bacterium is 0.002 mm long. One thousand of them are placed end to end in a line. How long is the line?

A. 0.2 mm

B. 20 mm

C. 200 mm

D. 2 mm

E. 0.000002 mm

Q13. What is ten times as much as 10 hundredths?

A. 0.01 *B.* 0.1 *C.* 1 *D.* 10 *E.* 100

Q14. The digits 3, 0, 7 and 5 are written in that order, and a decimal point is put in somewhere. Which of these numbers is between 30 and 31?

A. 3.075 *B.* 307.5 *C.* 0.3075 *D.* 3,075 *E.* 30.75

Q15. In a decimal number, the tenths digit is 3. The ones digit is twice the tenths digit. The hundredths digit is the difference between the ones digit and the tenths digit. There are no other digits. What is the number?

A. 3.63 *B.* 6.36 *C.* 6.33 *D.* 3.36 *E.* 6.3

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