Year 6 maths: Place value to 100 000 000 (Medium)

Maths · Number
Level: Medium

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. Write twelve million, four thousand and sixty as a numeral.

Answer: ☐

Working:

2. What is the value of the 8 in 38 461 572?

Circle one answer.

○ **A** 8 ○ **B** 80 000 000 ○ **C** 800 000 ○ **D** 8 000 000

3. A map app counted 1 089 523 downloads. In this number, the digit 8 is worth how much?

Answer: ☐

Working:

4. A mine ledger shows 5 208 000 tonnes of ore. How many whole thousands of tonnes is that?

Answer: ☐ thousands

Working:

5. A rail line carried 8 651 230 passengers in a decade. Round that to the nearest million.

Answer: ☐

Working:

6. Which of these numbers is odd?

Circle one answer.

○ **A** 2 796 340 ○ **B** 4 180 725 ○ **C** 6 531 084 ○ **D** 8 240 612

7. What number is point A closest to?

Circle one answer.



○ **1** 4 000 000 ○ **2** 60 000 000 ○ **3** 600 000 ○ **4** 6 000 000

8. Which number comes next? 4 700 000, 4 800 000, 4 900 000, ...

Circle one answer.

○ **A** 4 000 000 ○ **B** 4 910 000 ○ **C** 5 000 000 ○ **D** 5 900 000

9. In 6 360 400, the first 6 is worth how many times as much as the second 6?

Circle one answer.

○ **A** The same, 1 time ○ **B** 1 000 times ○ **C** 10 times

○ **D** 100 times

10. Which number is even, more than 60 000 000, and has a 5 in the hundred thousands place?

Circle one answer.

○ **A** 62 513 408 ○ **B** 62 513 407 ○ **C** 62 153 408 ○ **D** 52 613 408

Answer key

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1. 12 004 060

twelve million, four thousand and sixty is 12 004 060. Every place with nothing in it holds a 0.

2. D — 8 000 000

The 8 is in the millions place, so it is worth 8 000 000.

3. 80 000

The 8 is in the ten thousands place, so it is worth 80 000.

4. 5208 thousands

5 208 000 has 5208 whole thousands, because 5 208 000 is 5208 lots of 1000.

5. 9 000 000

The next digit to the right says round up. Every place after the rounding place becomes 0: 9 000 000.

6. B — 4 180 725

A number is odd when its ones digit is odd. 4 180 725 ends in 5.

7. 4 — 6 000 000

Each step is 2 000 000. A is 3 steps from 0, so it shows 6 000 000.

8. C — 5 000 000

The step is 100 000. 4 900 000 + 100 000 = 5 000 000.

9. D — 100 times

The first 6 is 6 000 000 and the second 6 is 60 000. 6 000 000 ÷ 60 000 = 100.

10. A — 62 513 408

Only 62 513 408 ends in an even digit, is over 60 million, and has 5 hundred thousands.