Year 5 maths: Numbers to millions and powers of ten (Hard)

Maths · Number
Level: Hard

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. Which words match 9 000 307?

Circle one answer.

○ **A** nine hundred thousand and thirty

○ **B** nine million, three hundred and seven

○ **C** nine hundred million, thirty thousand, seven hundred

○ **D** nine hundred thousand, three hundred and seven

2. Which shows 3 009 060 split into place values?

Circle one answer.

○ **A** 300 + 90 + 6

○ **B** 3 000 000 + 9000 + 60

○ **C** 3 000 000 + 9000 + 600

○ **D** 3 + 9 + 6

3. What is the value of the 4 in 4 581 726?

Circle one answer.

○ **A** 4 ○ **B** 40 000 000 ○ **C** 400 000 ○ **D** 4 000 000

4. How many hundredths are in 7.73? Answer: ☐ hundredths

Working:

5. 4800 ÷ 1000 = ?

Answer: ☐

Working:

6. Which number makes this true? 3.86 × □ = 3860

Circle one answer.

○ **A** 1000 ○ **B** 100 ○ **C** 10

7. A giant pumpkin weighs 6500 g. How many kilograms is that? (1 kg is 1000 g)

Answer: ☐ kg

Working:

8. What is 0.35 × 1000?

Answer: ☐

Working:

9. Which number is 1 000 000 less than 3 050 000?

Circle one answer.

○ **A** 3 040 000 ○ **B** 205 000 ○ **C** 2 050 000 ○ **D** 2 950 000

10. Write the number: 2 × 1 000 000 + 5 × 1000 + 3 × 10.

Answer: ☐

Working:

Answer key

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1. B — nine million, three hundred and seven

9 000 307 is nine million, three hundred and seven. Each group of three digits is read on its own.

2. B — 3 000 000 + 9000 + 60

3 009 060 = 3 000 000 + 9000 + 60. Each digit keeps its own place.

3. D — 4 000 000

The 4 is in the millions place, so it is worth 4 000 000.

4. 773 hundredths

Each whole is 100 hundredths, so 7.73 is 773 hundredths.

5. 4.8

Each digit moves 3 places right: 4800 ÷ 1000 = 4.8.

6. A — 1000

The digits move 3 places, so the number is 1000.

7. 6.5 kg

6500 ÷ 1000 = 6.5. Each digit moves three places right.

8. 350

Multiplying by 1000 moves every digit 3 places left: 0.35 becomes 350.

9. C — 2 050 000

Taking 1 000 000 lowers the millions digit by 1: 3 050 000 becomes 2 050 000.

10. 2 005 030

2 000 000 + 5000 + 30 = 2 005 030. The empty places hold zeros.