Year 6 maths: Decimals to thousandths and fractions (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. The digit 4 in 71.495 is in which place?

Circle one answer.

○ **A** tens ○ **B** ones ○ **C** tenths ○ **D** hundredths

2. Which digit in 90.451 has the greatest value?

Circle one answer.

○ **A** 5 ○ **B** 9 ○ **C** 4 ○ **D** 0

3. A tap fills 3.58 L of water. How many hundredths of a litre is that?

Answer: ☐ hundredths

Working:

4. Which words match 7.058?

Circle one answer.

○ **A** seven and fifty-eight hundredths

○ **B** seven and five hundred and eight thousandths

○ **C** seven and fifty-eight thousandths

○ **D** seven and five hundred and eighty thousandths

5. 3.5 × □ = 3500. What number goes in the box?

Circle one answer.

○ **A** 10 000 ○ **B** 100 ○ **C** 0.001 ○ **D** 1000

6. Which is the same as 3.5?

Circle one answer.

○ **A** 35 ○ **B** 3.500 ○ **C** 3.05 ○ **D** 3.005

7. Which number is the same as 7 + 0.3 + 0.04 + 0.009?

Circle one answer.

○ **A** 7.349 ○ **B** 7.0349 ○ **C** 7.394 ○ **D** 7.439

8. Which is the largest number?

Circle one answer.

○ **A** 7/100 ○ **B** 702/1000 ○ **C** 69/100 ○ **D** 0.7

9. Write 4 ones, 9 hundredths and 5 thousandths as a decimal. Answer: ☐

Working:

10. Start at 2.875 and add 0.025 five times. What number do you reach? Answer: ☐

Working:

Answer key

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1. C — tenths
Count from the decimal point: tenths, hundredths, thousandths. The 4 is in the tenths place.

2. B — 9
The digit in the tens place has the greatest value, because its place is the biggest: 9.

3. 358 hundredths
Each whole is 100 hundredths, so 3.58 is 358 hundredths.

4. C — seven and fifty-eight thousandths
7.058 is seven and fifty-eight thousandths. The last digit is in the thousandths place.

5. D — 1000
The digits moved 3 places left, so □ = 1000.

6. B — 3.500
3.500 is the same size as 3.5. The zeros at the end hold no value.

7. A — 7.349
7 ones, 3 tenths, 4 hundredths and 9 thousandths make 7.349.

8. B — 702/1000
As decimals the options are 0.7, 0.69, 0.702 and 0.07. The largest is 0.702.

9. 4.095
There are 0 tenths, so the number is 4.095.

10. 3
5 × 0.025 = 0.125 and 2.875 + 0.125 = 3.