

Fractions Disguised As Decimals

Directions: Fill in the appropriate value in each blank provided. Study the example given.

Example: 5.25 5 wholes and 25 out of 100 pieces of the 6th whole.

1) 7.05 7 wholes and 5 out of 100 pieces of the 8th whole.

2) 0.3 0 wholes and 3 out of 10 pieces of the 1st whole.

3) 5.953 5 wholes and 953 out of 1,000 pieces of the 6th whole.

4) 14.013 14 wholes and 13 out of 1,000 pieces of the 15th whole.

5) 2.8965 2 wholes and 8,965 out of 10,000 pieces of the 3rd whole.

6) 9.12 9 wholes and 12 out of 100 pieces of the 100th whole.

7) 143.1 143 wholes and 1 out of 10 pieces of the 144th whole.

8) 4.341 4 wholes and 341 out of 1,000 pieces of the 5th whole.

Directions: Change the following decimals into fractions. Reduce any answers to simplest form. Place a star next to the answers that have a value less than one-half.

9) 0.23 = $\star \frac{23}{100}$

10) 0.04 = $\star \frac{1}{25}$

11) 0.55 = $\frac{11}{20}$

12) 0.72 = $\frac{18}{25}$

13) 0.1 = $\star \frac{1}{10}$

14) 0.49 = $\star \frac{49}{100}$

15) 0.75 = $\frac{3}{4}$

16) 0.6 = $\frac{3}{5}$

17) 0.35 = $\star \frac{7}{20}$

18) 0.250 = $\star \frac{1}{4}$

19) 0.88 = $\frac{22}{25}$

20) Explain in a complete sentence why 0.09 is a fraction representing less than half.

0.09 means 9 out of one hundred because 9 is in the hundredths place.

Because 9 is less than half of 100, 0.09 represents a value less than half!