DECIMALS TO FRACTION -A

EXAMPLE # 1

0. 5 6 ➡ 0. 5 6 ➡ $\frac{56}{100}$ *see the two zero?*

ASK YOURSELF,"HOW MANY DIGIT NUMBERS ARE TO THE RIGHT OF THE DECIMAL?" ANSWER 2

USE THAT ANSWER TO MAKE A FRACTION SINCE THERE ARE TWO DIGITS TO THE RIGHT,IT MEANS HUNDREDTHS.

EXAMPLE # 2

0. 7 ➡ 0. 7 ➡ $\frac{7}{10}$ *see the one zero?*

ASK YOURSELF,"HOW MANY DIGIT NUMBERS ARE TO THE RIGHT OF THE DECIMAL?" ANSWER 1

SINCE THERE'S ONE DIGIT TO THE RIGHT.IT MEANS TENTHS
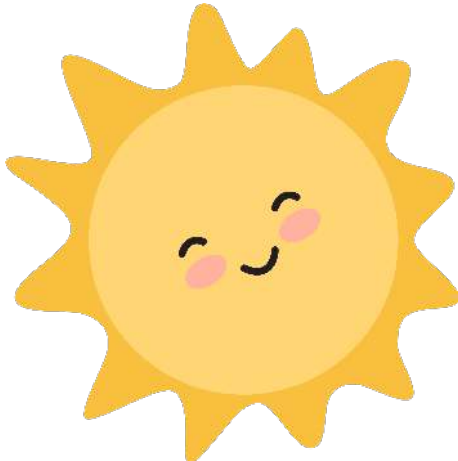
ANSWER

HOW MANY DIGITS ARE TO THE RIGHT OF THE DECIMAL AND WHAT DOES IT MEAN?

1. 0.324   HAS __3__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __THOUSANDTHS__
2. 0.8   HAS __1__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __TENS__
3. 4.25   HAS __2__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __HUNDREDTHS__
4. 33.5   HAS __1__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __TENS__
5. 24.330 HAS __3__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __THOUSANDTHS__
6. 0.78   HAS __2__ DIGITS TO THE RIGHT OF THE DECIMAL,WHICH MEANS __HUNDREDTHS__

DRAW A LINE TO THE FRACTION AND DECIMAL THAT ARE EQUAL

$\frac{1}{100}$ 0.004 $\frac{6}{100}$

$\frac{21}{100}$ 0.21 $\frac{17}{1000}$

       0.03

$\frac{8}{10}$ 0.8 $\frac{2}{10}$

       0.07

$\frac{7}{100}$ 0.009 $\frac{3}{100}$

       0.01

$\frac{9}{1000}$ 0.06 $\frac{4}{1000}$

       0.017

       0.2

REWRITE THE DECIMALS AS FRACTIONS.

1. 0.074 = $\frac{74}{1000}$ 2. 0.53 = $\frac{53}{100}$ 3. 0.001 = $\frac{1}{1000}$

4. 0.06 = $\frac{6}{100}$ 5. 0.5 = $\frac{5}{10}$ 6. 0.643 = $\frac{643}{1000}$

7. 0.4 = $\frac{4}{10}$ 8. 0.38 = $\frac{38}{100}$ 9 0.08 = $\frac{8}{100}$

DO YOU SEE A PATTERN BETWEEN THE DIGITS TO THE RIGHT OF THE DECIMALS AND THE ZEROS IN THE FRACTION?

DECIMALS TO FRACTION -B

HELPFUL EXAMPLE

SOMETIMES YOU MIGHT NEED TO SIMPLIFY THE FRACTION,MAKE THE NUMBERS SMALLER.

$$0.35 \implies 0.\overset{\frown}{3}5 \implies \frac{35}{100} \div \frac{5}{5} = \frac{7}{20}$$
ANSWER

WHEN DIVIDING,DO THE SAME THING TO THE TOP AND BOTTOM

ANSWER

REWRITE THE DECIMALS AS FRACTIONS IN SIMPLEST FORM

1. $0.040 = \dfrac{40}{1000}$

2. $0.037 = \dfrac{37}{1000}$

3. $0.021 = \dfrac{21}{1000}$

4. $0.06 = \dfrac{6}{100}$

5. $0.05 = \dfrac{5}{100}$

6. $0.01 = \dfrac{1}{100}$

7. $0.8 = \dfrac{8}{10}$

8. $0.32 = \dfrac{32}{100}$

9. $0.3 = \dfrac{3}{10}$

10. $0.07 = \dfrac{7}{100}$

11. $0.1 = \dfrac{}{10}$

12. $0.009 = \dfrac{9}{1000}$

13. $0.45 = \dfrac{45}{100}$

14. $0.04 = \dfrac{}{100}$

15. $0.146 = \dfrac{146}{1000}$

16. $0.300 = \dfrac{300}{1000}$

17. $0.90 = \dfrac{90}{100}$

18. $0.125 = \dfrac{125}{1000}$

19. $0.5 = \dfrac{5}{10}$

20. $0.220 = \dfrac{220}{1000}$

21. $0.4 = \dfrac{4}{10}$

22. $0.9 = \dfrac{9}{10}$

23. $0.100 = \dfrac{10}{100}$

24. $0.56 = \dfrac{56}{100}$