Converting Decimals to Fractions

Name:

Convert each decimal to a fraction.

Converting from a decimal to a fraction is simple as long as you remember the place values.

___ ___.___ ___

tens ones tenths hundredths

0.9

The example above is nine-tenths. Lets look at how we'd write that as a fraction.

$9/10$

0.63

We do the same thing for the problem above. But because it is into the hundredths place we put our number over 100.

$63/100$

Ex) 0.5 = $\frac{5}{10}$

1) 0.32 = ____

2) 0.8 = ____

3) 0.04 = ____

4) 0.7 = ____

5) 0.08 = ____

6) 0.21 = ____

7) 0.03 = ____

8) 0.81 = ____

9) 0.9 = ____

10) 0.53 = ____

11) 0.2 = ____

12) 0.1 = ____

13) 0.87 = ____

14) 0.05 = ____

15) 0.90 = ____

16) 0.06 = ____

17) 0.31 = ____

Answers

Ex. $5/10$

1. ____
2. ____
3. ____
4. ____
5. ____
6. ____
7. ____
8. ____
9. ____
10. ____
11. ____
12. ____
13. ____
14. ____
15. ____
16. ____
17. ____
18. ____
19. ____
20. ____

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Converting Decimals to Fractions

Name: **Answer Key**

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0.9

The example above is nine-tenths. Lets look at how we'd write that as a fraction.

$9/10$

0.63

We do the same thing for the problem above. But because it is into the hundredths place we put our number over 100.

$63/100$

Ex) 0.5 = 5/10

1) 0.32 = 32/100

2) 0.8 = 8/10

3) 0.04 = 4/100

4) 0.7 = 7/10

5) 0.08 = 8/100

6) 0.21 = 21/100

7) 0.03 = 3/100

8) 0.81 = 81/100

9) 0.9 = 9/10

10) 0.53 = 53/100

11) 0.2 = 2/10

12) 0.1 = 1/10

13) 0.87 = 87/100

14) 0.05 = 5/100

15) 0.90 = 90

16) 0.06 = 6

17) 0.31 = 31

Answers

Ex. 5/10
1. 32/100
2. 8/10
3. 4/100
4. 7/10
5. 8/100
6. 21/100
7. 3/100
8. 81/100
9. 9/10
10. 53/100
11. 2/10
12. 1/10
13. 87/100
14. 5/100
15. 90/100
16. 6/100
17. 31/100
18. 35/100
19. 99/100
20. 6/10

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0