

Math Sheet

Name _____ Score _____ / 20 Teacher _____ Date _____

Fractions and Decimals

Convert fractions to rounded decimals and finite decimals to exact fractions. Fraction-to-decimal answers use 3 places and round halfway values away from zero.

1. Write as a decimal.

$$\frac{2}{3} = \underline{\hspace{2cm}}$$

2. Write as a decimal.

$$\frac{1}{8} = \underline{\hspace{2cm}}$$

3. Write as a decimal.

$$\frac{2}{3} = \underline{\hspace{2cm}}$$

4. Write as a decimal.

$$\frac{2}{5} = \underline{\hspace{2cm}}$$

5. Write as a decimal.

$$\frac{2}{5} = \underline{\hspace{2cm}}$$

6. Write as a decimal.

$$\frac{3}{10} = \underline{\hspace{2cm}}$$

7. Write as a decimal.

$$\frac{1}{8} = \underline{\hspace{2cm}}$$

8. Write as a decimal.

$$\frac{2}{3} = \underline{\hspace{2cm}}$$

9. Write as a decimal.

$$\frac{3}{4} = \underline{\hspace{2cm}}$$

10. Write as a decimal.

$$\frac{5}{8} = \underline{\hspace{2cm}}$$

11. Write as a fraction.

$$0.667 = \underline{\hspace{2cm}}$$

12. Write as a fraction.

$$0.253 = \underline{\hspace{2cm}}$$

13. Write as a fraction.

$$0.111 = \underline{\hspace{2cm}}$$

14. Write as a fraction.

$$0.924 = \underline{\hspace{2cm}}$$

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Convert fractions to rounded decimals and finite decimals to exact fractions. Fraction-to-decimal answers use 3 places and round halfway values away from zero.

15. Write as a fraction.

0.508 = _____

16. Write as a fraction.

0.465 = _____

17. Write as a fraction.

0.364 = _____

18. Write as a fraction.

0.363 = _____

19. Write as a fraction.

0.279 = _____

20. Write as a fraction.

0.541 = _____

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Fractions and Decimals - Answer key

Convert fractions to rounded decimals and finite decimals to exact fractions. Fraction-to-decimal answers use 3 places and round halfway values away from zero.

1. Write as a decimal.

$$\frac{2}{3} \approx 0.667$$

$2/3$ approximately equals 0.667 (rounded to 3 places).

2. Write as a decimal.

$$\frac{1}{8} = 0.125$$

$1/8 = 0.125$.

3. Write as a decimal.

$$\frac{2}{3} \approx 0.667$$

$2/3$ approximately equals 0.667 (rounded to 3 places).

4. Write as a decimal.

$$\frac{2}{5} = 0.400$$

$2/5 = 0.400$.

5. Write as a decimal.

$$\frac{2}{5} = 0.400$$

$2/5 = 0.400$.

6. Write as a decimal.

$$\frac{3}{10} = 0.300$$

$3/10 = 0.300$.

7. Write as a decimal.

$$\frac{1}{8} = 0.125$$

$1/8 = 0.125$.

8. Write as a decimal.

$$\frac{2}{3} \approx 0.667$$

$2/3$ approximately equals 0.667 (rounded to 3 places).

9. Write as a decimal.

$$\frac{3}{4} = 0.750$$

$3/4 = 0.750$.

10. Write as a decimal.

$$\frac{5}{8} = 0.625$$

$5/8 = 0.625$.

11. Write as a fraction.

$$0.667 = \frac{667}{1000}$$

Already in lowest terms: $667/1000$.

12. Write as a fraction.

$$0.253 = \frac{253}{1000}$$

Already in lowest terms: $253/1000$.

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Fractions and Decimals - Answer key

Convert fractions to rounded decimals and finite decimals to exact fractions. Fraction-to-decimal answers use 3 places and round halfway values away from zero.

13. Write as a fraction.

$$0.111 = \frac{111}{1000}$$

Already in lowest terms: 111/1000.

14. Write as a fraction.

$$0.924 = \frac{231}{250}$$

Divide both parts by 4: $924/1000 = 231/250$.

15. Write as a fraction.

$$0.508 = \frac{127}{250}$$

Divide both parts by 4: $508/1000 = 127/250$.

16. Write as a fraction.

$$0.465 = \frac{93}{200}$$

Divide both parts by 5: $465/1000 = 93/200$.

17. Write as a fraction.

$$0.364 = \frac{91}{250}$$

Divide both parts by 4: $364/1000 = 91/250$.

18. Write as a fraction.

$$0.363 = \frac{363}{1000}$$

Already in lowest terms: 363/1000.

19. Write as a fraction.

$$0.279 = \frac{279}{1000}$$

Already in lowest terms: 279/1000.

20. Write as a fraction.

$$0.541 = \frac{541}{1000}$$

Already in lowest terms: 541/1000.