

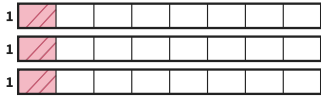
Fractions to Decimals with a Calculator

ANSWERS 

1

Write $\frac{3}{8}$ as a decimal.

3 shared by 8: one share is one part of each whole.



$\frac{3}{8}$ means $3 \div 8$

$$3 \div 8 = 0.375$$

Answer 0.375

2

Write $\frac{7}{20}$ as a decimal.

$\frac{7}{20}$ means $7 \div 20$

$$7 \div 20 = 0.35$$

Answer 0.35

3

Write $\frac{5}{8}$ as a decimal.

$$5 \div 8 = 0.625$$

Answer 0.625

4

Write $\frac{9}{40}$ as a decimal.

$$9 \div 40 = 0.225$$

Answer 0.225

5

Write $\frac{11}{16}$ as a decimal.

$$\frac{11}{16} = 0.6875$$

Answer 0.6875

6

Write $\frac{17}{25}$ as a decimal.

$$\frac{17}{25} = 0.68$$

Answer 0.68

7

Which is bigger, $\frac{5}{8}$ or $\frac{13}{20}$?

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

$$\frac{13}{20} = 0.65$$

Answer $\frac{13}{20}$

8

Write in order, smallest first: $\frac{7}{16}$, 0.43, $\frac{9}{20}$

$$\frac{7}{16} = 0.4375$$

$$\frac{9}{20} = 0.45$$

Answer 0.43, $\frac{7}{16}$, $\frac{9}{20}$

Fractions to Decimals with a Calculator *further practice*

ANSWERS 

9

Write $\frac{23}{40}$ as a decimal.

$$23 \div 40$$

Answer 0.575

10

Write $2\frac{3}{8}$ as a decimal.

$$3 \div 8 = 0.375, \text{ then add } 2$$

Answer 2.375

11

A recipe needs $\frac{7}{20}$ kg of flour.

Kitchen scales show the weight in kilograms as a decimal.
What should the scales show?

$$7 \div 20$$

Answer 0.35 kg

12

Which is bigger, $\frac{13}{40}$ or 33%?

Show how you know.

$$\frac{13}{40} = 0.325 \text{ and } 33\% = 0.33$$

Answer 33%

13

Three snails crawl along a fence.

Snail A crawls $\frac{7}{20}$ m, snail B crawls

0.34 m and snail C crawls $\frac{11}{32}$ m.

Which snail crawls the furthest?

$$0.35, 0.34, 0.34375$$

Answer Snail A

14

Which fraction with a denominator of 16 is equal to 0.8125?

$$\text{try } 13 \div 16 = 0.8125$$

Answer $\frac{13}{16}$

15

A quiz has 40 questions. Ria gets 29 of them right. Write the fraction of the questions she gets right as a decimal.

$$\frac{29}{40} = 29 \div 40$$

Answer 0.725

16

Ben wants to write $\frac{3}{16}$ as a decimal.

His calculator shows 5.333333333.

What has Ben done wrong?

Find the right answer.

$$\text{he worked out } 16 \div 3, \text{ not } 3 \div 16$$

Answer 0.1875