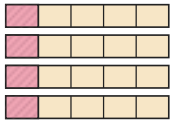
Fractions to decimals with a calculator

1

4 pizzas are shared equally between 5 people. Write each share, $\frac{4}{5}$ of a pizza, as a decimal.



Divide 4 ÷ 5

Keys 4 ÷ 5 =

Display

Answer _____

2

Write $\frac{9}{16}$ as a decimal.

Divide 9 ÷ 16

Keys

Display

Answer _____

3

Write $\frac{13}{25}$ as a decimal.

Divide ÷

Keys

Display

Answer _____

4

Write $\frac{21}{40}$ as a decimal.

Divide _____

Keys _____

Display _____

Answer _____

5

Write $\frac{4}{9}$ as a decimal. Use dots to show the recurring digit. Then give it to 2 decimal places.

Display 0.4444444444

Dot

2 d.p.

Answer _____

6

Write $\frac{1}{6}$ as a decimal. Give your answer to 2 decimal places.

Divide _____

Display _____

2 d.p. _____

Answer _____

7

To write $\frac{9}{25}$ as a decimal, Ellie types 25 ÷ 9 and gets 2.777777778. Explain her mistake, then find the right answer.

_____

_____

Answer _____

8

Write these in order, smallest first.

$\frac{3}{4}$ 0.74 $\frac{8}{11}$

_____

_____

Answer _____

_____

Fractions to decimals with a calculator *further practice*

9

Write $\frac{33}{40}$ as a decimal.

Answer _____

10

Write $\frac{5}{11}$ as a decimal. Use dots to show the recurring digits.

Answer _____

11

In a survey, 19 out of 40 students walk to school. Write the fraction of students who walk as a decimal.

Answer _____

12

Which is bigger, $\frac{5}{12}$ or 0.4?
Show how you know.

Answer _____

13

In a quiz, Ana gets $\frac{17}{20}$ of the questions right, Ben gets 0.87 of them right and Cal gets $\frac{22}{25}$ of them right. Who did best?

Answer _____

14

Write $\frac{5}{7}$ as a decimal. Give your answer to 3 decimal places.

Answer _____

15

Write $4\frac{2}{3}$ as a decimal. Give your answer to 2 decimal places.

Answer _____

16

Lena's calculator shows 0.2727272727.
Which of these fractions did she type?
Explain how you know.

$\frac{3}{11}$ $\frac{2}{7}$ $\frac{4}{15}$

Answer _____