Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

I Do

(a) Write these decimals in order of size. Start with the smallest decimal.

0.67 0.078 0.7 0.76 0.706

(b) Write 0.62 as a percentage.

Here are some fractions: 1/3 2/7 4/9 3/5 10/3

One of these fractions can be written as a terminating decimal.

(c) Write down this fraction.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

We Do

(a) Write these decimals in order of size. Start with the smallest decimal.

0.54 0.045 0.5 0.504 0.45

(b) Write 0.37 as a percentage.

Here are some fractions: 2/3 3/8 4/7 5/9 7/6

One of these fractions can be written as a terminating decimal.

(c) Write down this fraction.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

You Do 1

(a) Write these decimals in order of size. Start with the smallest decimal.

0.81 0.18 0.801 0.108 0.8

(b) Write 0.46 as a percentage.

Here are some fractions: 1/6 5/8 2/9 3/7 4/3

One of these fractions can be written as a terminating decimal.

(c) Write down this fraction.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

You Do 2

(a) Write these decimals in order of size. Start with the smallest decimal.

0.305 0.35 0.053 0.3 0.503

(b) Write 0.085 as a percentage.

Here are some fractions: 2/11 7/20 5/6 4/9 3/13

One of these fractions can be written as a terminating decimal.

(c) Write down this fraction.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

You Do 3

(a) Write these decimals in order of size. Start with the smallest decimal.

0.09 0.9 0.909 0.099 0.19

(b) Write 1.25 as a percentage.

Here are some fractions: 3/14 5/12 9/25 7/15 8/21

One of these fractions can be written as a terminating decimal.

(c) Write down this fraction.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

Challenge

The cards show 5/12, 3/8, 4/9 and 2/7.

Choose the card that is a terminating decimal between 1/3 and 1/2.

Write its value as a decimal and as a percentage.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

I Do

(a) Compare place values, adding trailing zeros if helpful.
Answer: 0.078, 0.67, 0.7, 0.706, 0.76.
(b) 0.62 × 100 = 62%.
(c) In simplest form, a terminating fraction has only 2 and/or 5 as denominator factors.
Only 3/5 meets this condition. Answer: 3/5.

We Do

(a) Compare place values, adding trailing zeros if helpful.
Answer: 0.045, 0.45, 0.5, 0.504, 0.54.
(b) 0.37 × 100 = 37%.
(c) In simplest form, a terminating fraction has only 2 and/or 5 as denominator factors.
Only 3/8 meets this condition. Answer: 3/8.

You Do 1

(a) Compare place values, adding trailing zeros if helpful.
Answer: 0.108, 0.18, 0.8, 0.801, 0.81.
(b) 0.46 × 100 = 46%.
(c) In simplest form, a terminating fraction has only 2 and/or 5 as denominator factors.
Only 5/8 meets this condition. Answer: 5/8.

Decimals, Percentages and Fractions

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

You Do 2

(a) Compare place values, adding trailing zeros if helpful.
Answer: 0.053, 0.3, 0.305, 0.35, 0.503.
(b) 0.085 × 100 = 8.5%.
(c) In simplest form, a terminating fraction has only 2 and/or 5 as denominator factors.
Only 7/20 meets this condition. Answer: 7/20.

You Do 3

(a) Compare place values, adding trailing zeros if helpful.
Answer: 0.09, 0.099, 0.19, 0.9, 0.909.
(b) 1.25 × 100 = 125%.
(c) In simplest form, a terminating fraction has only 2 and/or 5 as denominator factors.
Only 9/25 meets this condition. Answer: 9/25.

Challenge

Only 3/8 has a simplified denominator with no prime factors other than 2 or 5.
3 ÷ 8 = 0.375; this lies between 1/3 and 1/2.
0.375 × 100 = 37.5%.
Answer: 3/8, 0.375, 37.5%.