

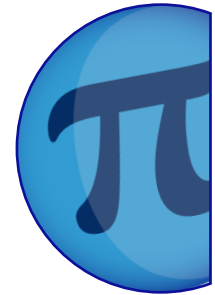


# Fractional Reserve Banking

NAME: .....

CLASS: .....

DATE: .....



## Basic

1) Write the first number as a fraction (in its simplest form) of the second.

a) 10, 130

b) 18, 50

c) 5, 40

d) 30, 130

2) Convert the following fractions to decimals:

a)  $\frac{3}{4}$

b)  $\frac{7}{8}$

c)  $\frac{1}{10}$

d)  $\frac{1}{4}$

3) Convert the following fractions to percentages:

a)  $\frac{3}{4}$

b)  $\frac{7}{8}$

c)  $\frac{1}{10}$

d)  $\frac{1}{4}$

4) In a class of 30 students there 18 boys and 12 girls. Write the ratio of:

a) girls to boys

b) boys to girls

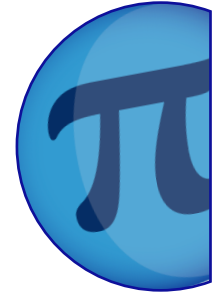


# Fractional Reserve Banking

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## Core

1) Write each of the first as a fraction of the second.

a) 15mm, 85mm

b) 10kg, 60kg

c) 60ml, 140ml

d) 32p, 144p

e) 24g, 144g

f) 30kg, 75kg

2) Convert the following decimals to fractions expressed in their lowest terms.

a) 0.3

b) 0.59

c) 0.45

d) 0.825

e) 2.175

f) 4.9275

g) 0.28

h) 0.715

3) Convert the following fractions to decimals:

a)  $\frac{5}{8}$

b)  $\frac{3}{5}$

c)  $3\frac{7}{10}$

d)  $\frac{7}{16}$

e)  $\frac{2}{9}$

f)  $4\frac{81}{100}$

g)  $3\frac{4}{25}$

h)  $3\frac{1}{5}$

4) Convert the following fractions to percentages:

a)  $\frac{17}{20}$

b)  $\frac{21}{80}$

c)  $\frac{7}{12}$

d)  $\frac{31}{50}$

e)  $\frac{9}{50}$

f)  $\frac{3}{5}$

g)  $\frac{1}{200}$

h)  $\frac{13}{40}$

5) In an orchard the ratio of apple trees to orange trees is 9:11. If there are 27 apple trees, how many orange trees are there?



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## Advanced

1) Simplify the following ratios:

a) 2:8

b) 18:27

c) 725mg:1.5mg

2) Express these ratios in the form 1:n.

a) 5mm:3cm

b) 5:6

c) 7:8

3) Using the exchange rate £1 = 1.34 Euros, change the following to Euros:

a) £100

b) £360

c) £7.68

4) Using the exchange rate £1 = \$1.60 US dollar, change the following to dollars:

a) £300

b) £855

c) £165



# Fractional Reserve Banking

## ANSWERS

### Basic

- |                        |                     |                  |                   |
|------------------------|---------------------|------------------|-------------------|
| 1) a) $1 \frac{1}{13}$ | b) $1 \frac{9}{25}$ | c) $\frac{1}{8}$ | d) $\frac{3}{13}$ |
| 2) a) 0.75             | b) 0.875            | c) 0.1           | d) 0.25           |
| 3) a) 75%              | b) 87.5%            | c) 10%           | d) 25%            |
| 4) a) 2:3              | b) 3:2              |                  |                   |

### Core

- |                      |                        |                   |                      |
|----------------------|------------------------|-------------------|----------------------|
| 1) a) $\frac{3}{17}$ | b) $\frac{1}{6}$       | c) $\frac{3}{7}$  |                      |
| d) $\frac{2}{9}$     | e) $\frac{1}{6}$       | f) $\frac{2}{5}$  |                      |
| 2) a) $\frac{3}{10}$ | b) $\frac{59}{100}$    | c) $\frac{9}{20}$ | d) $\frac{33}{40}$   |
| e) $2 \frac{7}{40}$  | f) $4 \frac{371}{400}$ | g) $\frac{7}{25}$ | h) $\frac{143}{200}$ |
| 3) a) 0.625          | b) 0.6                 | c) 3.7            | d) 0.4375            |
| e) 0.222             | f) 4.81                | g) 3.16           | h) 3.2               |
| 4) a) 85%            | b) 26.25%              | c) 58.33%         | d) 62%               |
| e) 18%               | f) 60%                 | g) 0.5%           | h) 32.5%             |
- 5) 33 orange trees

### Advanced

- |                 |                 |                |
|-----------------|-----------------|----------------|
| 1) a) 1:4       | b) 2:3          | c) 1450mg:3mg  |
| 2) a) 1:6       | b) 1:1.2        | c) 1:1.14      |
| 3) a) 134 Euros | b) 482.40 Euros | c) 10.29 Euros |
| 4) a) \$480     | b) \$1368       | c) \$264       |