

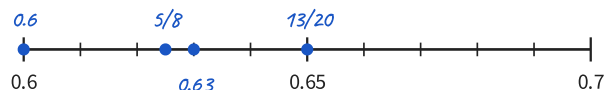
1 Fractions to decimals

- a) Write $\frac{13}{16}$ as a decimal.
b) Write $3\frac{7}{40}$ as a decimal.

a) $13 \div 16 = 0.8125$
b) $7 \div 40 = 0.175$
b) $3 + 0.175 = 3.175$

2 Comparing fractions and decimals

- a) Which is bigger, $\frac{7}{20}$ or 0.36?
b) Write in order, smallest first: $\frac{5}{8}$, 0.6, $\frac{13}{20}$, 0.63



a) $0.35 < 0.36$, so 0.36 b) 0.625 and 0.65
b) $0.6, \frac{5}{8}, 0.63, \frac{13}{20}$

3 Money answers

- a) A calculator shows this answer to a question about money. Write it in pounds.
b) 6 friends share a bill of £47 equally. How much is each share to the nearest penny?

a) 18.4 b) 7.83333333

a) £18.40
b) 7.8333... is £7.83

4 Time answers

- a) A calculator shows this answer to a question about time, in hours. Write it in hours and minutes.
b) Write 3 hours 36 minutes as a decimal number of hours.

a) 2.75

a) $0.75 \times 60 = 45$, 2 h 45 min
b) $36 \div 60 = 0.6$
b) 3.6 hours

Using a calculator revision mat answers

Foundation A

5 Money and time problems

- A plumber charges £38 an hour.
a) A job takes 2 hours 15 minutes. How much does she charge?
b) Another job costs £66.50. How long did it take? Give your answer in hours and minutes.

a) $38 \times 2.25 = £85.50$
b) $66.50 \div 38 = 1.75$ hours
b) 1 h 45 min

6 Powers and roots

- a) Work out $2.6^3 - \sqrt{7.29}$
b) A square rug has an area of 6.76 m^2 . Work out its perimeter.

Area
 6.76 m^2

a) $17.576 - 2.7 = 14.876$
b) side 2.6 m
b) $4 \times 2.6 = 10.4 \text{ m}$

7 Brackets and fraction lines

- a) Work out $\frac{15.3 - 4.7}{2.4 + 1.9}$. Write down all the figures on your calculator display.
b) Leo types $15.3 - 4.7 \div 2.4 + 1.9$ for part a). Why is his answer wrong?

a) $10.6 \div 4.3 = 2.465116279$
b) his calculator divides 4.7 by 2.4 first
b) he needs brackets round the top and the bottom

8 Negatives and checking

- a) Work out $-7.2 \div -0.9 - 12$
b) Ana works out $27.6 \div 2.4 = 11.5$. Write a multiplication she could do on her calculator to check her answer.

a) $8 - 12 = -4$
b) $11.5 \times 2.4 (= 27.6)$