

1 Ordering whole numbers

- a) Write in order, smallest first.
352 325 532 235
- b) Which is bigger, 1408 or 1480?

a) 235, 325, 352, 532
b) 1480

2 Ordering decimals

- a) Write in order, smallest first.
0.6 0.06 0.66 0.16
- b) Which is bigger, 0.7 or 0.65?

O	t	h
0	6	
0	0	6
0	6	6
0	1	6

a) 0.06, 0.16, 0.6, 0.66
b) 0.7 (0.70 is more than 0.65)

3 Adding and subtracting

- a) Work out $345 + 278$
- b) Work out $8.2 - 3.5$

H	T	O
3	4	5
2	7	8
6	2	3

a) 623
b) 4.7

4 Multiplying decimals

- a) Work out 2.4×3
- b) A bus ticket costs £1.35. Work out the cost of 4 tickets.

a) $24 \times 3 = 72$, so 7.2
b) $135 \times 4 = 540$, so £5.40

5 Dividing decimals

- a) Work out $9.6 \div 3$
- b) Five friends share £14.50 equally.
How much does each friend get?

a) 3.2
b) $14.50 \div 5 = \text{£}2.90$

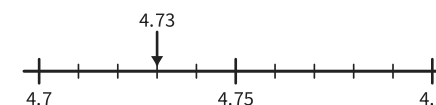
Decimals and rounding

revision mat answers

Foundation B

6 Rounding to decimal places

- a) Round 4.73 to 1 decimal place.
- b) Round 3.468 to 2 decimal places.



a) 4.73 is nearer to 4.7: 4.7
b) 3.47

7 Significant figures

- a) Round 0.0472 to 1 significant figure.
- b) A town has 8652 people. Round this to 1 significant figure.

a) 0.05
b) 9000

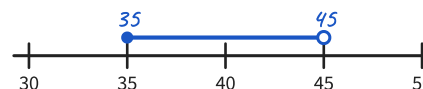
8 Estimation

- a) Round each number to 1 significant figure to estimate 52×29
- b) Ali buys 6 drinks.
Each drink costs £1.95.
Estimate the total cost.

a) $50 \times 30 = 1500$
b) $6 \times \text{£}2 = \text{£}12$

9 Error intervals

- a) $x = 40$ to the nearest 10. Write the error interval for x . $\underline{\hspace{1cm}} \leq x < \underline{\hspace{1cm}}$
- b) $y = 8$ to the nearest whole number.
Write the error interval for y .



a) $35 \leq x < 45$
b) $7.5 \leq y < 8.5$

10 Limits of accuracy

- a) A rope is 30 m long to the nearest metre. Write down its lower bound and its upper bound.
- b) A box weighs 60 kg to the nearest 10 kg. Could it weigh 58 kg?

a) 29.5 m and 30.5 m
b) Yes: from 55 kg up to 65 kg