

1 Ordering whole numbers ☐

- a) Write in order, smallest first.
6045 6504 645 6450
- b) Use the digits 3, 0, 7 and 5 once each.
Make the smallest 4 digit number you can.

a) 645, 6045, 6450, 6504
b) 3057

2 Ordering decimals ☐

- a) Write in order, smallest first.
0.48 0.408 0.8 0.084
- b) Mo says 0.45 is bigger than 0.5 because 45 is bigger than 5. Is Mo right? Explain.

O	t	h	th
0	4	8	0
0	4	0	8
0	8	0	0
0	0	8	4

a) 0.084, 0.408, 0.48, 0.8
b) No: $0.5 = 0.50$, more than 0.45

3 Adding and subtracting ☐

- a) Work out $23.6 + 8.75$
- b) Sam has £20. He spends £7.48.
How much has he got left?

T	O	t	h
2	3	6	0
3	8	7	5
3	2	3	5

a) 32.35
b) $20.00 - 7.48 = £12.52$

4 Multiplying decimals ☐

- a) Work out 2.38×6
- b) A floor tile is 0.3 m long and 0.4 m wide.
Work out its area.

a) $238 \times 6 = 1428$, so 14.28
b) $3 \times 4 = 12$
b) 0.12 m^2

5 Dividing decimals ☐

- a) Work out $31.5 \div 7$
- b) A jug holds 2.4 litres of juice.
How many 0.3 litre cups can it fill?

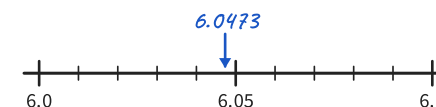
a) 4.5
b) $2.4 \div 0.3 = 24 \div 3$
b) 8 cups

Decimals and rounding revision mat answers

Foundation A

6 Rounding to decimal places ☐

- a) Round 6.0473 to 1 decimal place.
- b) Round 2.4962 to 2 decimal places.



a) 6.0473 is less than 6.05: 6.0
b) 2.50

7 Significant figures ☐

- a) Round 0.04782 to 2 significant figures.
- b) A stadium holds 36 581 people.
Round this to 2 significant figures.

a) 0.048
b) 37 000

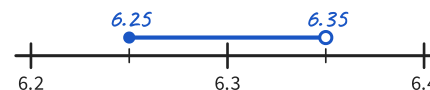
8 Estimation ☐

- a) Estimate the value of 4.87×61.3
- b) Estimate the value of $\frac{38.2 + 11.6}{0.49}$

a) $5 \times 60 = 300$
b) $\frac{40 + 10}{0.5} = \frac{50}{0.5}$
b) 100

9 Error intervals ☐

- a) $x = 6.3$ to 1 decimal place.
Write the error interval for x .
- b) A mass, m kg, is 450 kg to the nearest 10 kg. Write the error interval for m .



a) $6.25 \leq x < 6.35$
b) $445 \leq m < 455$

10 Limits of accuracy ☐

- a) A plank is 2.4 m long to 1 decimal place. Write down its lower bound and its upper bound.
- b) A bag of flour weighs 500 g to the nearest 10 g. Could it weigh 494 g? Explain.

a) 2.35 m and 2.45 m
b) No: the lower bound is 495 g