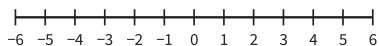


1 Negatives: add, subtract

☐

- a) Work out $-5 + 8$
b) A lift is on floor 1. It goes down 4 floors.
Which floor is it on now?



a) 3 b) $1 - 4 = -3$

2 Negatives: multiply, divide

☐

- a) Work out -6×4
b) Work out $-30 \div -5$

a) different signs: -24

b) same signs: 6

3 Listing factors

☐

- a) List all the factors of 20.
b) Which of these are factors of 30?
4 5 6 9 10

a) 1, 2, 4, 5, 10, 20

b) 5, 6, 10

4 Is it prime?

☐

- a) Is 15 a prime number?
Show how you know.
b) Write down the prime numbers
between 20 and 30.

a) No: $15 = 3 \times 5$

b) 23 and 29

5 Prime and composite

☐

- a) Sort 6, 11, 12, 19, 25 into the table.
b) Which prime number is even?

Prime	Composite
11, 19	6, 12, 25

b) 2

7 HCF and LCM

☐

- a) Find the highest common factor (HCF)
of 12 and 18.
b) Find the lowest common multiple (LCM)
of 4 and 6.

a) 1, 2, 3, 6 are common: 6

b) 4, 8, 12 and 6, 12: 12

9 Squares and square roots

☐

- a) Work out 8^2
b) A square has an area of
 25 cm^2 . How long is
each side?

Area
 25 cm^2

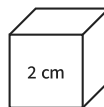
a) $8 \times 8 = 64$

b) $\sqrt{25} = 5 \text{ cm}$

10 Cubes and cube roots

☐

- a) Work out 3^3
b) Each edge of this cube is
2 cm long.
Work out its volume.



a) $3 \times 3 \times 3 = 27$

b) $2 \times 2 \times 2 = 8 \text{ cm}^3$

11 Index notation

☐

- a) Write $9 \times 9 \times 9$ in index form.
b) Write 6^4 as a multiplication.

a) 9^3

b) $6 \times 6 \times 6 \times 6$

12 Using index notation

☐

- a) Work out 2^4
b) Which is bigger, 5^2 or 2^5 ?
Show how you know.

a) $2 \times 2 \times 2 \times 2 = 16$

b) $25 < 32$, so 2^5

Number revision mat answers

Foundation B