

Expanded Numbers (Example)

a Write $5 \times 10\,000 + 7 \times 1000 + 9 \times 100 + 4$ in simplest form.

b Write 3908 in expanded form.

a $5 \times 10\,000 + 7 \times 1000 + 9 \times 100 + 4 = 57\,904$

b $3908 = 3 \times 1000 + 9 \times 100 + 8$

WALT: Write numbers in the simplest form and in an expanded form

Success Criteria: I know...

- the place value of each number
- how to expand a big number, showing its place
- how to write an expanded number in the simplest form

Write in simplest form

6 Write the following in simplest form:

a $4 \times 10 + 9$

b $7 \times 100 + 4$

c $3 \times 100 + 8 \times 10 + 6$

d $2 \times 1000 + 6 \times 100 + 3 \times 10 + 4$

e $6 \times 10\,000 + 5 \times 100 + 8 \times 10 + 3$

f $9 \times 10\,000 + 3 \times 1000 + 8$

g $3 \times 100 + 4 \times 10\,000 + 7 \times 10 + 6 \times 1000 + 5$

h $2 \times 10 + 9 \times 100\,000 + 8 \times 1000 + 3$

i $2 \times 100\,000 + 3 \times 100 + 7 \times 10\,000 + 8$

Write in expanded form

7 Write in expanded form:

a 486

b 340

c 2438

d 4083

e 24 569

f 39 804

g 400 308

h 254 372

Example

Write “two thousand seven hundred and four” in numeral form.

2704

Write the numeral 36 098 in words.

thirty six thousand and ninety eight

WALT: Write numbers in both numeral and word form

Success Criteria: I understand place value, and can write expanded numbers in numeral form

8 Write the following in numeral form:

a thirty six

c thirty

e nine hundred

g five hundred and twenty

i six thousand and fourteen

k fourteen thousand and four

b seventy

d eighteen

f nine thousand

h five hundred and two

j six thousand four hundred and forty

l forty thousand and forty

m fifteen thousand eight hundred and sixty nine

n ninety five thousand three hundred and eleven

o seven hundred and eight thousand one hundred and ninety eight.

Extra work for early finishers - go to the next page! 😊

9 Write the following numbers in words:

a 66	b 660	c 715	d 888
e 4389	f 6010	g 90 000	h 38 700
i 15 040	j 44 444	k 408 804	l 246 357
m 50 500	n 505 000	o 500 500	p 50 050

10 Write the following operations and their answers in numerical form:

- a** four more than forty
- b** six greater than eleven
- c** three less than two hundred
- d** eight fewer than eighty
- e** eighteen fewer than six thousand
- f** three thousand reduced by two hundred
- g** an additional fifty to eleven thousand
- h** 38 more than five hundred and nine thousand

Check Your Answers

6 **a** 49 **b** 704 **c** 386 **d** 2634 **e** 60 583
f 93 008 **g** 46 375 **h** 908 023 **i** 270 308

7 **a** $4 \times 100 + 8 \times 10 + 6$ **b** $3 \times 100 + 4 \times 10$
c $2 \times 1000 + 4 \times 100 + 3 \times 10 + 8$
d $4 \times 1000 + 8 \times 10 + 3$
e $2 \times 10\,000 + 4 \times 1000 + 5 \times 100 + 6 \times 10 + 9$
f $3 \times 10\,000 + 9 \times 1000 + 8 \times 100 + 4$
g $4 \times 100\,000 + 3 \times 100 + 8$
h $2 \times 100\,000 + 5 \times 10\,000 + 4 \times 1000$
 $+ 3 \times 100 + 7 \times 10 + 2$

8 **a** 36 **b** 70 **c** 30 **d** 18 **e** 900 **f** 9000
g 520 **h** 502 **i** 6014 **j** 6440 **k** 14 004
l 40 040 **m** 15 869 **n** 95 311 **o** 708 198

9 **a** sixty six **b** six hundred and sixty
c seven hundred and fifteen
d eight hundred and eighty eight
e four thousand three hundred and eighty nine

f six thousand and ten **g** ninety thousand
h thirty eight thousand seven hundred
i fifteen thousand and forty
j forty four thousand four hundred and forty four
k four hundred and eight thousand eight hundred and four
l two hundred and forty six thousand three hundred and fifty seven
m fifty thousand five hundred
n five hundred and five thousand
o five hundred thousand five hundred
p fifty thousand and fifty

10 **a** $40 + 4 = 44$ **b** $11 + 6 = 17$
c $200 - 3 = 197$ **d** $80 - 8 = 72$
e $6000 - 18 = 5982$ **f** $3000 - 200 = 2800$
g $11\,000 + 50 = 11\,050$
h $509\,000 + 38 = 509\,038$