

Handout**1 – 3**
Section 3

Reinforcement

**ANSWER
KEY****Decomposing a Number –
Comparing Numbers****1. Decompose** each number according to the place values of its digits.

a) 732

$700 + 30 + 2$

b) 12 783

$10\ 000 + 2000 + 700 + 80 + 3$

c) 874

$800 + 70 + 4$

d) 921

$900 + 20 + 1$

e) 4987

$4000 + 900 + 80 + 7$

f) 1974

$1000 + 900 + 70 + 4$

**2. Find** boxes that represent the same value. **Colour** them the same colour.

8094 (A)	$10\ 000 + 2000 + 700 + 80 + 5$ (B)	4872 (C)
$4000 + 800 + 70 + 2$ (C)	$10\ 000 + 800 + 60 + 4$ (D)	$8000 + 90 + 4$ (A)
10 864 (D)	$1000 + 300 + 5$ (E)	$1000 + 1000 + 100 + 100 + 100 + 1 + 1$ (F)
$1000 + 100 + 100 + 100 + 1 + 1 + 1$ (E)	$2000 + 300 + 2$ (F)	12 785 (B)

3. Compare each pair of numbers. **Write** the correct symbol: <, > or =.

a) 4674 (>) 4654

b) 7505 (<) 7511

c) 4674 (<) 4745

d) 647 (<) 764

e) 1333 (<) 3333

f) 4480 (=) 4480

g) 1770 (<) 1771

h) 9745 (<) 9854

i) 11 345 (>) 11 268

j) 2341 (<) 2431

k) 5630 (>) 5629

l) 8643 (<) 8743

4. Write each number that has been decomposed. Then **compare** the pairs of numbers using the correct symbol: $<$, $>$ or $=$.

a) $10\ 000 + 100 + 100 + 100 + 1 + 1 + 1 + 1 + 1 =$ 10 304 $>$ 10 033 $= 10\ 000 + 30 + 3$

b) $2000 + 300 + 3 =$ 2303 $<$ 3203 $= 1000 + 1000 + 1000 + 100 + 100 + 100 + 1 + 1 + 1$

c) $10\ 000 + 100 + 10 + 10 + 10 + 10 + 1 + 1 + 1 + 1 =$ 10 144 $=$ 10 144 $= 10\ 000 + 100 + 40 + 4$

d) $100 + 100 + 100 + 50 =$ 350 $>$ 300 $= 350 - 50$

e) $100 + 100 + 100 + 100 + 100 + 100 =$ 600 $=$ 600 $= 780 - 180$

5. Compare each pair of numbers using the correct symbol: $<$ or $>$. Then **complete** the sentence to describe the difference between them. Use **O** for ones, **T** for tens, **H** for hundreds, **Th** for thousands and **Tth** for ten thousands.

a) $5674 > 5574$

There is/are 1 more H in 5674.

b) $7821 > 7800$

There is/are 2 more T and 1 more O
OR 21 more O in 7821.

c) $12\ 239 > 1239$

There is/are 1 more Tth and 1 more Th
OR 11 more Th in 12 239.

d) $5671 < 5781$

There is/are 1 more H and 1 more T
OR 11 more T in 5781.

