

Assessment Preparation 3 : Answers

1) a) 14

$$9 + 9 - 4$$

b) 3

$$4 + 4 + 4 - 9$$

c) 10

$$9 + 9 - 4 - 4$$

d) 30

$$4 + 4 + 4 + 9 + 9$$

2) a) 48

$$2 \times 2 \times 2 \times 2 \times 3$$

b) 7

$$3 \times 3 - 2$$

3) a) $3, 5, 8, 12, \underline{17}$
 $+2 \quad +3 \quad +4 \quad +5$

b) $6, 3, 0, -3, -6, \underline{-9}$
 $-3 \quad -3 \quad -3 \quad -3 \quad -3$

c) $-10, -7, -4, -1, \underline{2}$
 $+3 \quad +3 \quad +3 \quad +3$

4) a) 64, 32, 16, 8, 4, ...

Divide by two to go from one term to the next.

b) $1, 2, 4, 7, 11, 16, \dots$
 $+1 \quad +2 \quad +3 \quad +4 \quad +5$

The difference between a term and the next term goes up by one each time.