Extra Practice 4 – Master 2.21
Lesson 2.4

1. a) –8 +4
–15 –3
+6 –2
+18 +3

b) The rules are similar. The sign of the product of two integers with the same sign is positive and the sign of the quotient of two integers with the same sign is positive. The sign of the product of two integers with opposite signs is negative and the sign of the quotient of two integers with opposite signs is negative.

2. a) The quotient of two integers is positive when the integers have the same sign.

b) The quotient of two integers is negative when the integers have opposite signs.

3. a) +10 **b)** –8
c) –8 **d)** +7
e) 0 **f)** +1

4. a) –5 **b)** +3
c) –3 **d)** 0
e) +1 **f)** –4
–5, –4, –3, 0, +1, +3

5. –2°C

Extra Practice 5 – Master 2.22
Lesson 2.5

1. a) 36; Multiplication
b) –20; Addition inside brackets
c) –2; Subtraction inside brackets
d) 4; Division

2. a) $4(-8) - 9$
$= -32 - 9$
$= -41$

b) $(-1) + (-20) \div 5$
$= (-1) + (-4)$
$= -5$

c) $(-9) + (-4)(-2)$
$= (-9) + 8$
$= -1$

d) $(-3)[(-8) - 11]$
$= (-3)(-19)$
$= 57$

3. a) –7 **b)** –2
c) 1 **d)** –6

4. a) –20 **b)** –1
c) 3 **d)** –8

5. a) –11; $12 \div [(-4) + (-8)]$
b) –7; $[(-9) + 6] \div 3$
c) 1; $5 \div (-5) \times [0 + 1]$