

UNIT 15 *Negative Numbers***Extra Exercises 15.1**

1. Calculate:

(a) $6 - 7$

(b) $-5 + 3$

(c) $-5 + 9$

(d) $-9 + 20$

(e) $11 - 14$

(f) $6 - 3$

(g) $7 - (-2)$

(h) $-4 - (-5)$

(i) $(-6) + 2$

(j) $(-3) - (-1)$

(k) $-6 + (-4)$

(l) $-8 - (-9)$

2. Copy and complete this addition table:

+	-5	-3	-1	0	1	3
-4						
-2						
2						

3. Write down the next 3 terms in each of these sequences:

(a) 5, 4, 3, 2, 1, ...

(b) 6, 4, 2, 0, -2, ...

(c) 20, 15, 10, 5, 0, ...

(d) 16, 15, 13, 10, 6, ...

(e) -10, -8, -6, -4, -2, ...

(f) -30, -27, -24, -21, -18, ...

UNIT 15 *Negative Numbers*

Extra Exercises 15.2

1. Calculate:

(a) $(-6) \times 3$

(b) $(-7) \times (-4)$

(c) $(-6) \times 2$

(d) $49 \div (-7)$

(e) $80 \div (-4)$

(f) $(-12) \div (-3)$

(g) $(-8) \times (-3)$

(h) $45 \div (-9)$

(i) $(-6) \times 10$

(j) $(-2) \times (-5)$

(k) $66 \div (-3)$

(l) $148 \div (-4)$

2. Calculate:

(a) $(-2)^2$

(b) $(-5)^2$

(c) $(-10)^2$

3. Copy and complete this multiplication table:

\times	-2	-1	0	1
-5				
-4				
-3				
2				

4. Copy these calculations, filling in the missing numbers:

(a) $\dots \times (-6) = 12$

(b) $(-40) \div \dots = 5$

(c) $3 \times \dots = -18$

(d) $(-81) \div \dots = -9$

(e) $7 \times \dots = 21$

(f) $(-12) \div \dots = 3$

(g) $(-2) \times \dots = 14$

(h) $(-2) \times \dots \times (-3) = -24$

Extra Exercises 15.1

Answers

1. (a) -1 (b) -2 (c) 4
(d) 11 (e) -3 (f) 3
(g) 9 (h) 1 (i) -4
(j) -2 (k) -10 (l) 1

2.

+	-5	-3	-1	0	1	3
-4	-9	-7	-5	-4	-3	-1
-2	-7	-5	-3	-2	-1	1
2	-3	-1	1	2	3	5

3. (a) $0, -1, -2$
(b) $-4, -6, -8$
(c) $-5, -10, -15$
(d) $1, -5, -12$
(e) $0, 2, 4$
(f) $-15, -12, -9$

Extra Exercises 15.2

Answers

1. (a) -18 (b) 28 (c) -12
(d) -7 (e) -20 (f) 4
(g) 24 (h) -5 (i) -60
(j) 10 (k) -22 (l) -37

2. (a) 4 (b) 25 (c) 100

3.

\times	-2	-1	0	1
-5	10	5	0	-5
-4	8	4	0	-4
-3	6	3	0	-3
2	-4	-2	0	2

4. (a) -2 (b) -8
(c) -6 (d) 9
(e) 3 (f) -4
(g) -7 (h) -4