Pg 69-70

5. Subtract.

a) $(+4) - (+5)$ b) $(-3) - (+5)$ c) $(-4) - (+3)$
d) $(-1) - (-8)$ e) $(+8) - (-2)$ f) $(+4) - (-7)$

6. Use questions 1 to 5 as models.
Write 3 integer subtraction questions.
Trade questions with a classmate.
Solve your classmate's questions.

7. a) Use coloured tiles to subtract each pair of integers.

    i) $(+3) - (+1)$ and $(+1) - (+3)$
    ii) $(-3) - (-2)$ and $(-2) - (-3)$
    iii) $(+4) - (-3)$ and $(-3) - (+4)$

b) What do you notice about each pair of questions in part a?

8. $(+5) - (-2) = +7$
Predict the value of $(-2) - (+5)$.
Explain your prediction, then check it.

9. Assessment Focus Use integers.
Write a subtraction question that would give each answer.
How many questions can you write each time?

a) $+2$ b) -3 c) $+5$ d) -6

10. Which expression in each pair has the greater value?
Explain your reasoning.

a) **i)** $(+3) - (-1)$ **ii)** $(-3) - (+1)$
b) **i)** $(-4) - (-5)$ **ii)** $(+4) - (+5)$

11. Take It Further

a) Find two integers with a sum of -1 and a difference of $+5$.
b) Create and solve a similar integer question.

12. Take It Further Copy and complete.

a) $(+4) - \square = +3$
b) $(+3) - \square = -1$
c) $\square - (+1) = +4$

13. Take It Further Evaluate.

a) $(+4) + (+1) - (+3)$
b) $(+1) - (+2) - (-1)$
c) $(-3) - (+1) + (+4)$
d) $(-2) - (-4) + (-1)$
e) $(+2) - (+1) - (+4)$
f) $(+1) - (+2) + (+1)$

D2 Gr7 Math Subtract Rules.notebook

Pg 73-74

1. Use a number line to subtract.
Use coloured tiles to check your answers.
a) $(+2) - (+1)$ b) $(+4) - (-3)$ c) $(-4) - (-1)$
d) $(-5) - (+2)$ e) $(-2) - (-6)$ f) $(-3) - (-7)$

2.5 Subtracting Integers on a Number Line   **73**

2. a) Reverse the order of the integers in question 1, then subtract.
b) How are the answers different from those in question 1? Explain.

3. Use a number line to subtract. Write the subtraction equations.
a) $(+10) - (+5)$ b) $(+7) - (-3)$ c) $(-8) - (+6)$
d) $(-10) - (+5)$ e) $(-4) - (+4)$ f) $(-4) - (-4)$