

Textbook Page 65

1. Use coloured tiles to model each integer in two different ways. Draw the tiles.

- | | |
|---------|---------|
| a) -5 | b) 0 |
| c) $+8$ | d) -1 |
| e) $+3$ | f) -7 |

3. What sum does each set of tiles model?
How do you know you are correct?
Write the addition equations.
- 6 yellow tiles and 1 red tile
 - 5 yellow tiles and 7 red tiles
 - 4 yellow tiles and 4 red tiles

2. Suppose you have 8 red tiles.
How many yellow tiles would you need to model $+3$?
How do you know?



4. Use coloured tiles to add. Draw pictures of the tiles you used.
- | | |
|------------------|------------------|
| a) $(+4) + (-1)$ | b) $(-3) + (-2)$ |
| c) $(-5) + (+1)$ | d) $(+6) + (+3)$ |
| e) $(-4) + (-8)$ | f) $(+4) + (+8)$ |

Textbook Page 65

5. Use a number line to add.

Write the addition equations.

- a) $(+3) + (+2)$ b) $(-5) + (-1)$
c) $(-10) + (+8)$ d) $(+6) + (-5)$
e) $(-8) + (+8)$ f) $(-5) + (+12)$

6. a) Add. $(+4) + (-5)$

b) Find 4 different pairs of integers that have the same sum as part a.

$$(+4) + (-5) = (-1)$$

b) $(-7) + (6)$

$$(10) + (-11)$$

7. Write an addition equation for each situation.

- a) Puja earned \$50, and spent \$20. How much did Puja then have?
b) The temperature is 5°C , then drops 10°C . What is the final temperature?
c) The population of a city was 124 000, then it dropped by 4000 people. What was the population then?
d) A plane was cruising at an altitude of 12 000 m, then dropped 1200 m. What was the cruising altitude then?

Textbook Page 65

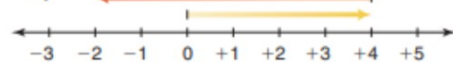
8. a) Write the addition equation modelled by each number line.

b) Describe a situation that each number line could represent.

i)



ii)



9. Each integer below is written as the sum of consecutive integers.

$$(+5) = (+2) + (+3)$$

$$(+6) = (+1) + (+2) + (+3)$$

Write each of these integers as the sum of consecutive integers.

a) +10

b) 0

c) +2

d) +7

e) +4

f) +8