Maths

Adding directed numbers

Mr Lund

Adding directed numbers

1. Complete the calculations.

a) -3 + 9

b) 9 + -3

c) -3 + -9

d) -9 + -3

e) -6 + -3

f) 8 + -12

g) -7 + 2

2. Fill in the blanks.

a) -5 + ⬚ = 4

b) ⬚ + -3 = 12

c) -3 + ⬚ = -10

d) 9 + ⬚ = 9

e) ⬚ + 9 = 0

f) 9 + ⬚ = 4
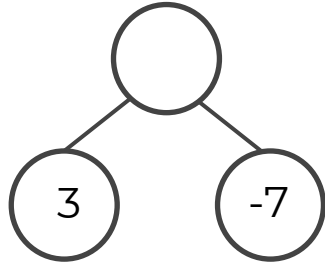
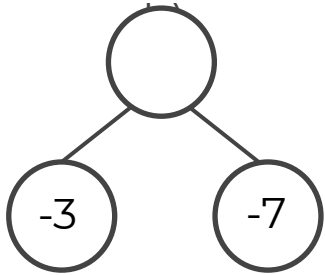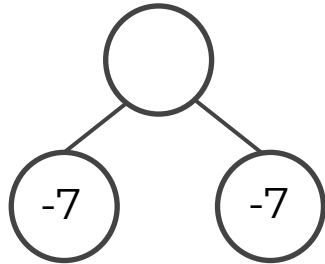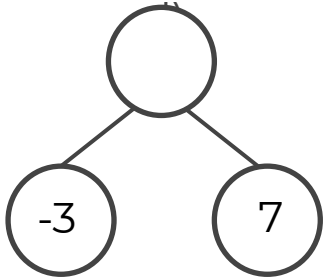g) ⬚ + 9 = 6

Adding directed numbers

3. Complete the part whole models.

a)

-3   -7

3   -7

c)

-3   7

-7   -7

4. Work out the missing numbers in these statements.

a) -6 + -4 = 4 + ☐

b) 10 + ☐ = -4 + 9

c) 0 + -7 = 10 + ☐

5. Simplify the expressions by collecting like terms.

a) 4g + -2g

b) -5t + 14t

c) 9 + 7d + -5 + -d

Answers

Adding directed numbers

1. Complete the calculations.

a) -3 + 9 = 6

b) 9 + -3 = 6

c) -3 + -9 = -12

d) -9 + -3 = -12

e) -6 + -3 = -9

f) 8 + -12 = -4

g) -7 + 2 = -5

2. Fill in the blanks.

a) -5 + 9 = 4

b) 15 + -3 = 12

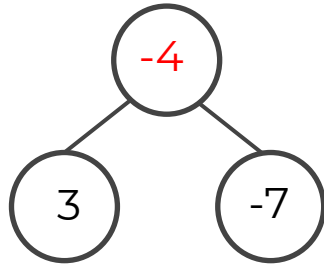c) -3 + -7 = -10

d) 9 + 0 = 9

e) -9 + 9 = 0

f) 9 + -5 = 4
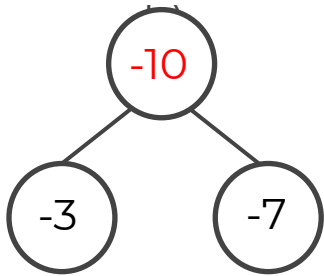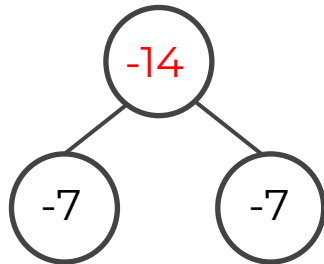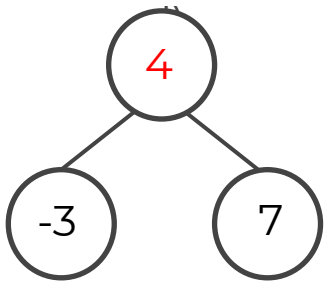
g) -3 + 9 = 6

Adding directed numbers

3. Complete the part whole models.

a)

c)

4. Work out the missing numbers in these statements.

a) -6 + -4 = 4 + - 14

b) 10 + - 5 = -4 + 9

c) 0 + -7 = 10 + - 17

5. Simplify the expressions by collecting like terms.

a) 4g + -2g = 2g

b) -5t + 14t = 9t

c) 9 + 7d + -5 + -d = 6d + 4