



Year 7 Mathematics Directed Numbers Practice Test 3

- Graph the following groups of numbers on the number line, and use it to write the numbers in ascending order
 - 3, 4, 1
 - 2, 6, 7, 3
 - 3, -1, -2
- Insert $>$ or $<$ symbols to make the statements true
 - 5 ____ 3
 - 3 ____ -2
 - 4 ____ 5
- Find the answers to
 - $5 - 3 + 4$
 - $3 \times 3 - 2$
- Write the opposite of the following statements
 - 5 kg decrease in weight
 - 4 hours before lunch
- State the combined effect of the following
 - a deposit of \$20 followed by a withdrawal of \$25
 - a \$10 withdrawal followed by a \$12 withdrawal
- If north is the positive direction write a directed number for a journey
 - 6 km south
 - 7 km south followed by 3 km north
- Write as a directed number the opposite of the following
 - 6
 - 3
 - 4
- Find the answers to
 - decrease 2 by 5
 - increase -11 by 7
- Simplify
 - $-3 + 5$
 - $-3 - 5$
 - $-5 + 2$
 - $5 - 7$
- Simplify
 - $3 - 5 - 2$
 - $-3 + 6 - 4$
- Simplify
 - $5 + -2$
 - $3 - -6$
 - $-3 + -2$
 - $-4 - -3$
 - $-4 - (-2)$
 - $-3 - (+5)$
- Simplify
 - $3 - (-2) + 5$
 - $15 - (-3) + (-5)$

13 Simplify

a) -2×4

b) $3 \times (-6)$

c) $-3 \times (-2)$

14 Simplify

a) $(-3) \times 2 \times (-4)$

b) $(-6)^2$

c) $-5 \times (-2)^2$

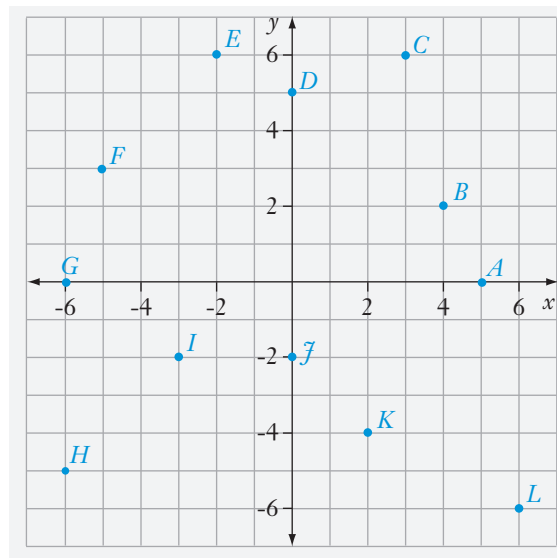
15 Simplify

a) $36 \div (-9)$

b) $-30 \div 6$

c) $-50 \div (-10)$

16 In the number plane below



a) Find the coordinates of

i) B

ii) I

iii) F

b) Name the letters which have the following coordinates

i) $(-6, 0)$

ii) $(-6, -5)$

iii) $(6, -6)$

Question 15

a) -4

b) -5

c) 5

Question 16

a) i) B (4, 2)

ii) I (-3, -2)

iii) F (-5, 3)

b) i) G

ii) H

iii) L