Q1. Draw the number line from –10 to 10. Use it to calculate:

a) -6 + 4 b) -2 + 6 c) -4 + 4 d) 1 + 9

e) -8 + 5 f) -10 + 1 g) -1 + 1 h) -1 + 11

i) 0 + 5 j) -7 + 7

Q2. Copy and complete this table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Temperature at 0600 hrs | 6°C | 0°C | -2°C | -4°C | -8°C | -3°C |
| Change in temperature | +2° | +4° | +4° | +2° | +10° | +7° |
| Temperature at 1200 hrs |  |  |  |  |  |  |

Q3. Try to calculate these without using the number line:

 a) -1 + 4 b) -3 + 3 c) -2 + 0 d) -2 + 7

 e) -1 + 1 f) 5 + 8 g) -7 + 6 h) -1 + 9

 i) -8 + 8 j) -9 + 7 k) -1 + 0 l) -100 + 50

Q4. Draw the number line from –10 to 10. Use it to calculate:

Adding (-2) is the same as subtracting 2

 a) 8 + (-2) b) 4 + (-4) c) 1 + (-3)

 d) 1 + (-9) e) 3 – 5 f) 0 – 2

 g) -2 – 8 h) 1 – 10 i) -2 + 5

Q5. Copy and complete this table:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Temperature at midday | 15°C | 6°C | 7°C | -2°C | 0°C | -5°C |
| Change in temperature | -5° | -6° | -9° | -3° | -10° | -1° |
| Temperature at midnight |  |  |  |  |  |  |

Q8. Calculate:

 a) 5 – 4 b) 5 – 5 c) 5 – 6 d) -2 – 2

 e) 1 – 7 f) -1 – 7 g) 9 – 6 h) 1 – 1

Q9. Copy and complete these:

Subtracting –2 is the same as adding 2

1. -1 - -3 b) 3 – - 4 c) -8 - - 6

= -1 + 3 = 3 + 4 = -8 + 6

= = =

Q10. Work out:

 a) 2 - -5 b) -1 - -6 c) 0 - -3

 d) -2 - -4 e) 3 - -1 f) -1 - -5

 g) 7 - -3 h) -9 - -2 i) -5 - -6

 j) -2 - -8 k) 4 - -4