



Snow Maths

- At 8 am on Friday, the temperature was -13°C .
By 1 pm it was 1°C .
By how many degrees had the temperature risen?
Approximately how many degrees per hour did the temperature rise?
- In Frome, the snow was 4 inches deep. What was this in cm?
(Hint: on a ruler, 30 cm is approximately equal to 12 inches.)
- 1 in 10 people missed work on Tuesday and Wednesday.
What is this as a percentage?
- In Oxfordshire on Friday night, the council only planned to grit 34% of the roads.
Roughly what fraction of the roads did they plan to grit?
- I decided to buy extra food for the garden birds. I bought:
3 packets of seed at $\pounds 1.27$ a pack
1 fat cake for $\pounds 2.89$
2 bags of peanuts at $\pounds 1.20$ a bag
How much did I spend in total?
How much change did I get from a $\pounds 20$ note?
- Up until Saturday morning 60,000 miles of roads had been gritted, using 38,500 tonnes of salt.
Use a calculator to work out how many tonnes of salt had been used per mile.
Round your answer to 2 decimal places
1 tonne = 1,000 kg. Convert your answer to kilograms.
- As of Friday, Altnaharra in Scotland holds the record for the lowest temperature during the current cold spell, with a low of -22.3°C .
Use this formula shown below to convert this temperature to $^{\circ}\text{F}$.
Round your answer to the nearest whole $^{\circ}\text{F}$.

$$^{\circ}\text{F} = 1.8\text{C} + 32$$

where C is the temperature in $^{\circ}\text{C}$

- Westgate in the Pennines has had the most snow, with 1 foot, 10.8 inches.
Use the conversion table shown below to convert this to cm.

$$1 \text{ foot} = 12 \text{ inches}$$
$$1 \text{ inch} = 2.5 \text{ cm}$$

Answers

1. A rise of 14 °C in total, which over the 5-hour period gives an average rise of 2.8 degrees per hour.
2. 10cm
3. 10 %
4. Roughly 1/3
5. I spent £9.10 and got £10.90 change.
6. About 0.64 tonnes, which converts to 640 kg.
7. -8 °F.
8. 1 foot, 10.8 inches = 22.8 inches.
22.8 x 2.5 cm = 57 cm.