

BONUS QUESTIONS

1. A map has a scale of 1cm : 3 miles.
On the map, the distance between two towns is 7cm.

What is the actual distance between the two towns?
Include units for your answer.

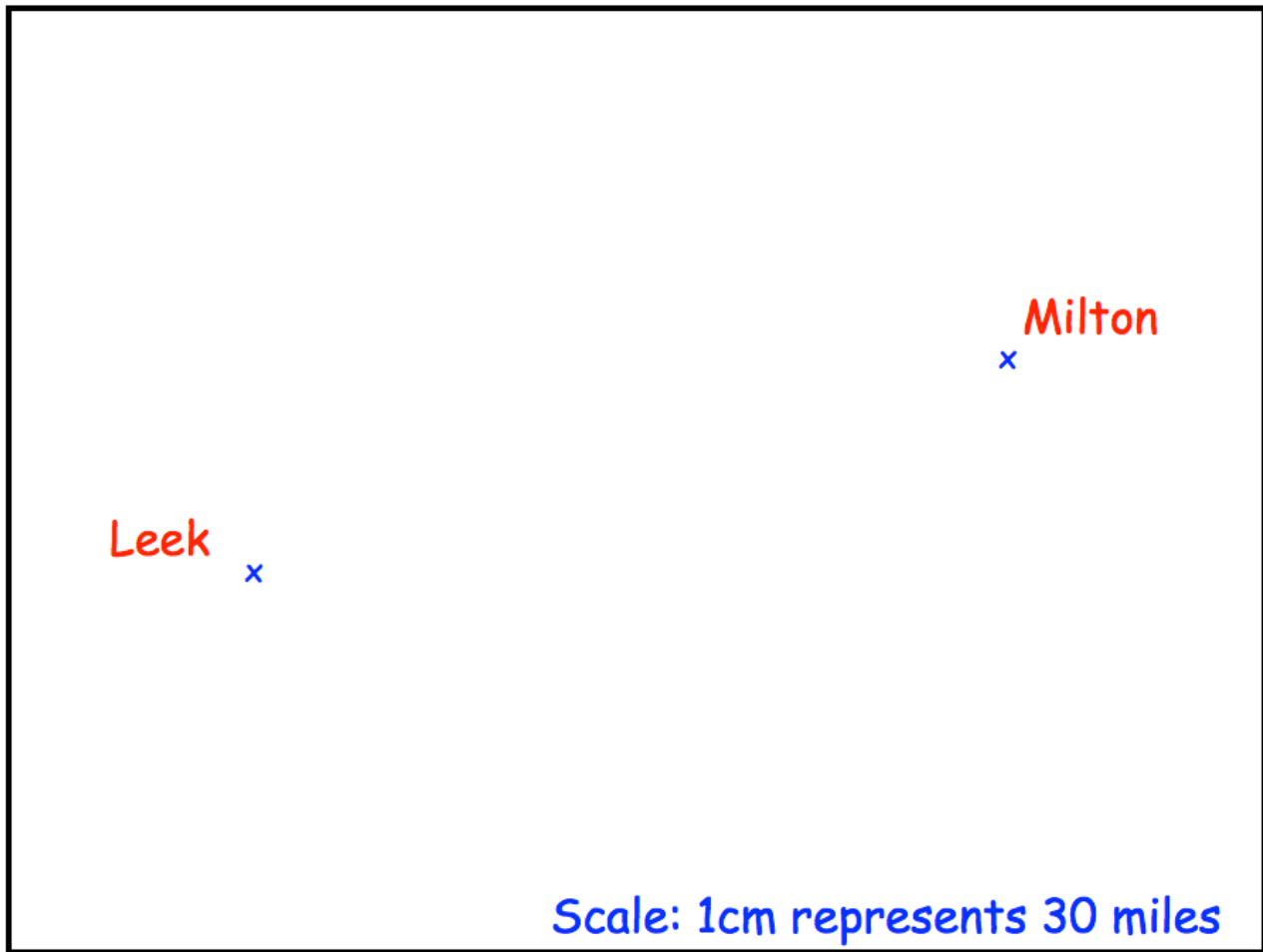
.....
(2)

2. A map has a scale of 1cm : 4 kilometres.
The actual distance between two cities is 52 kilometres.

What is the distance between the cities on the map?

.....cm
(1)

3. Here is a map.
The map shows two cities, Leek and Milton.



- (a) Use the map to calculate the actual distance from Leek to Milton.

.....miles
(2)

Sandville is an equal distance from Leek and Milton

- (b) How far is Sandville from Leek?

.....miles
(1)

4. A map has a scale of 1cm represents 2km.

(a) Write this scale as a ratio without the units:

.....
(2)

(b) What is the actual length of a road measuring 5.5cm on the map?

.....
(1)

5. A map has a scale of 1cm represents 50 metres.

(a) Put a circle around the ratio which is equivalent to this.

1:50 1:500 1:5000 1:50000 1:500000 1:5000000

(2)

The distance between two shops on the map is 4.5cm

(b) What is the actual distance between the shops?

.....m
(2)

6. A map has a scale of 8cm to 1km.

(a) Write this scale as a ratio in its simplest form.

.....
(2)

The distance between two lakes is 4.5km

(b) How far will this be on the map?

.....cm
(2)

7. A map has a scale of 1:4000
On the map, the distance between two houses is 9cm.

What is the actual distance between the houses?
Give your answer in metres.

.....m
(3)

8. A scale drawing has a scale of 1:20
In real life the length of a boat is 150m

What is the length of the boat on the scale drawing?
Give your answer in centimetres.

.....cm
(3)