

Year 6 – Reasoning practice

13) Complete this division calculation by filling in the missing numbers:

$$\begin{array}{r}
 246 \\
 37 \overline{) \begin{array}{r} _ 1 _ 2 \\ 74 \\ \hline 17 _ \\ 148 \\ \hline 222 \\ 222 \\ \hline 000 \end{array}}
 \end{array}$$

14) A supermarket sells packs of 6 cans of lemonade. Each can contains 330ml of lemonade.

How many litres of lemonade are there in a pack of 6 cans?

Answer:

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15) Here is a bus timetable:

| Darlington - Sunderland | | via Newton Aycliffe, Ferryhill Service 217 | | | |
|---|-------|--|-------|-------|-------|
| Sunday | | | | | |
| | | | | | |
| DARLINGTON, Bus Station | 19:40 | 20:40 | 21:40 | ... | 22:40 |
| Newton Aycliffe, Stephenson Way/Pease Way | 20:03 | 21:03 | 22:03 | ... | 23:03 |
| Chilton, Wheatsheaf | 20:13 | 21:13 | 22:13 | ... | 23:18 |
| Coxhoe, Police Station | ... | 21:39 | ... | 23:09 | ... |
| Bowburn, Garage | ... | 21:44 | ... | 23:14 | ... |
| Houghton-le-Spring, Bus Station | ... | 22:13 | ... | ... | ... |
| SUNDERLAND, Park Lane Bus Station | ... | 22:29 | ... | ... | ... |

a) Find the last direct bus from Newton Aycliffe to Bowburn. When does it leave Darlington?

Answer:

b) How long does the last bus from Darlington to Chilton take?

Answer:

c) How long is the shortest possible journey?

Answer:

16) Here is the number of goals scored by the top 8 teams in the Premier League during the football season.

| | |
|-------------------|----|
| Chelsea | 73 |
| Manchester City | 83 |
| Arsenal | 71 |
| Manchester United | 62 |
| Tottenham Hotspur | 58 |
| Liverpool | 48 |
| Southampton | 54 |
| Swansea | 46 |

What is the mean number of goals scored by these teams?

| | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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Answer:

17) Write the number six hundred and nine thousand, two hundred and seventeen in numerals.

Answer: