

Date: _____



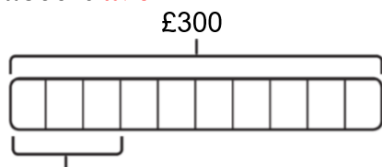
LO: to find percentages of amounts



DIAGNOSTIC

Pre-assembly
DIAGNOSTIC
work

1) 30% of £300 is **£90**



2) Josh plants 120 roses. 10% are red roses and 5% are pink.

The rest are yellow. How many of each colour are there? **Red – 12, Pink – 6, Yellow - 102**

3) Complete the following:

50% of 300 is **150** 10% of 300 is **30**

1% of 300 is **3** 51% of 300 is **153**

21% of 300 is **63** 33% of 300 is **99**

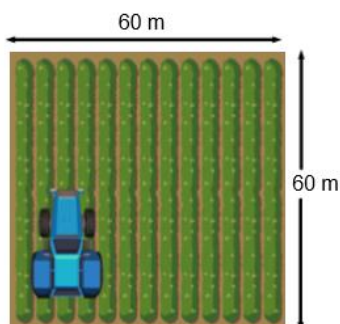
4) 35,200 people (children, students and adults) bought concert tickets.

13 % were children. 27% were students.

How many adults bought tickets? **21,120**

5) Possible methods include: $10\% \times 4 + 5\%$ $25\% + 20\%$ $25\% + 10\% + 10\%$ $50\% - 5\%$ To find 60% of 45 $10\% \times 6$ $50\% + 10\%$ $10\% \times 3$ Children will notice that $45\% \text{ of } 60 = 60\% \text{ of } 45$ This always happens.

6) Field is **3600 m²**



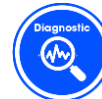
On Monday, the farmer ploughed 30% of his field. **1,080 m²**

On Tuesday, he ploughed half of the remaining area. $\frac{1}{2}$ of 2,520 is **1,260 m²**

On Wednesday, he ploughed 500 square meters. **1,260 m² - 500 m²**

What area was left to plough on Thursday?
760 m²

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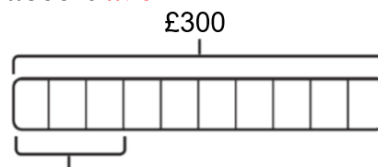
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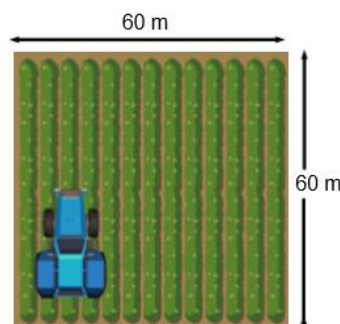
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