

Solving fraction word problems (using bar modelling)

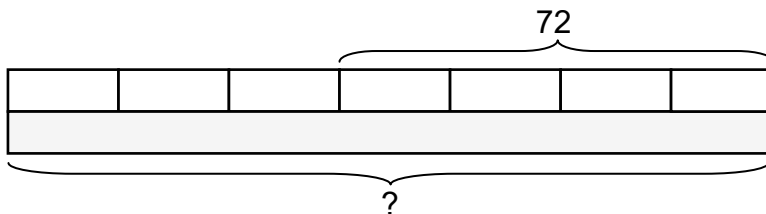
Maths worksheets from urbrainy.com



Use the bar models to help you work out what to do to find the answers to these fraction word problems.

1. On Saturday Sam read $\frac{3}{7}$ of his book. On Sunday he read the other 72 pages to

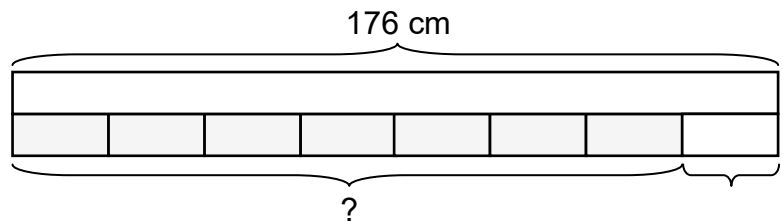
finish the book. How many pages are there in the book?



2. Tom is 176 cm tall.

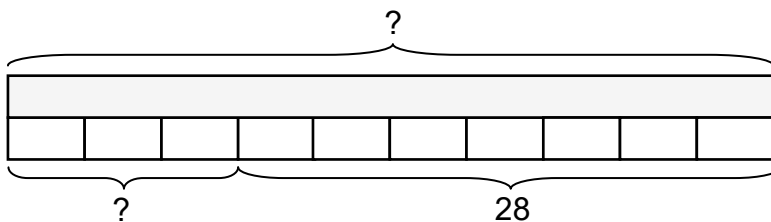
Tim is $\frac{7}{8}$ as tall as Tom.

How tall is Tim?



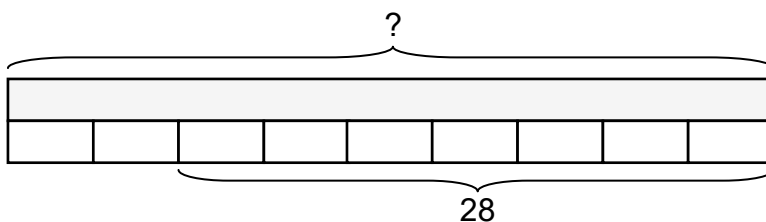
3. Jo bought a bag of sweets. She ate $\frac{3}{10}$ of them. There were 28 sweets left in the bag.

How many sweets were there altogether?



4. $\frac{2}{9}$ of the children of class 4A support Liverpool. The rest support Everton.

28 children support Everton. How many children are in the class?



Name: _____

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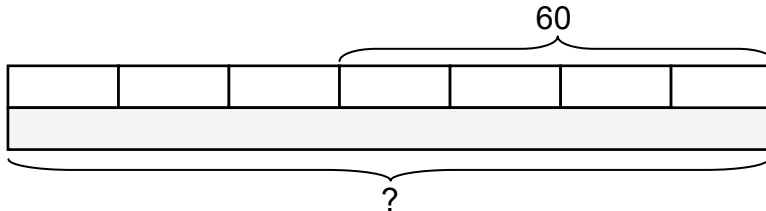
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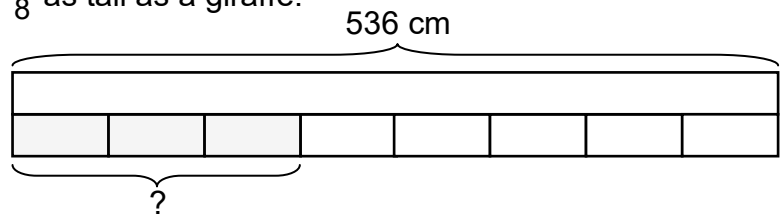
1. On Saturday Alan painted $\frac{3}{7}$ of his toy soldiers. On Sunday he painted the other 60 soldiers.

How many toy soldiers did he have altogether?



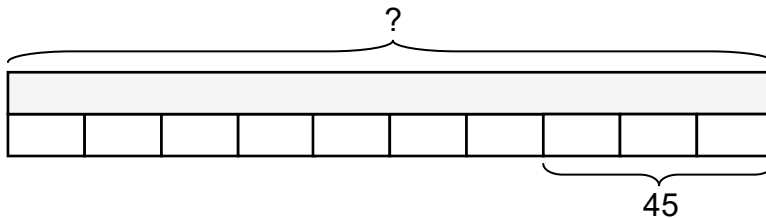
2. A giraffe is 536 cm tall. A horse is $\frac{3}{8}$ as tall as a giraffe.

How tall is the horse?



3. Jan bought a large box of teabags. She used $\frac{7}{10}$ of them. There were 45 teabags left.

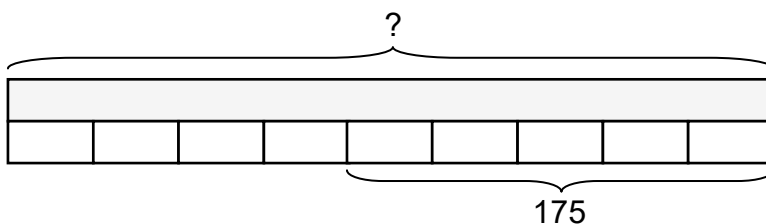
How many teabags were there altogether in the box?



4. Farmer George has two breeds of cattle. $\frac{4}{9}$ of the cattle are Shorthorn.

175 of the cattle are Angus.

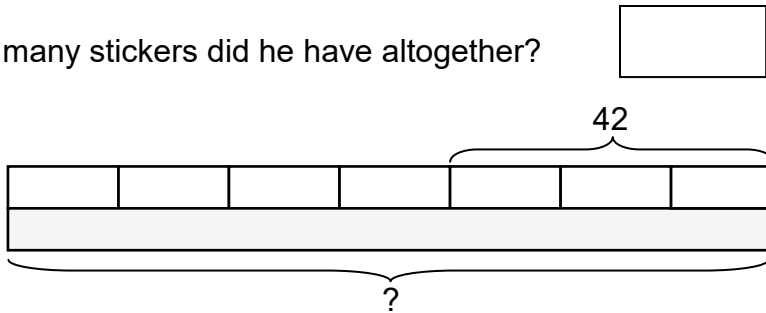
How many cattle does Farmer George have altogether?



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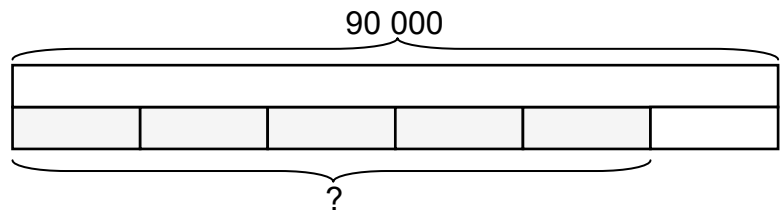
1. Jim had completed $\frac{4}{7}$ of his sticker album. He added 42 more stickers to complete the album.

How many stickers did he have altogether?



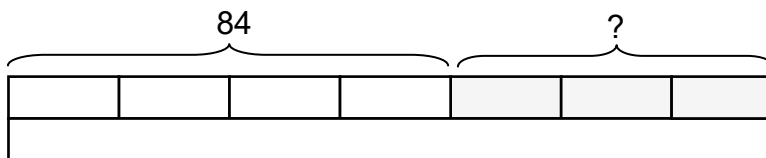
2. Wembley Stadium has a capacity of 90 000. Old Trafford is $\frac{5}{6}$ as large as Wembley.

What is the capacity of Old Trafford?



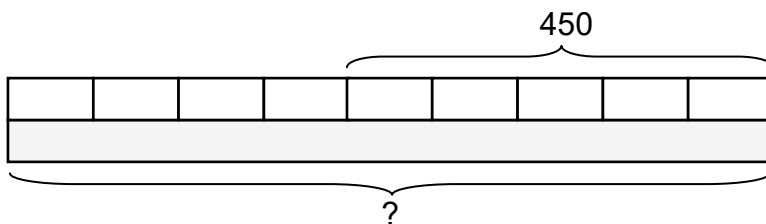
3. Joe's café sells coffee and tea. $\frac{3}{7}$ of Joe's sales were for coffee.

He sold 84 cups of tea. How many coffees did he sell?



4. Zoe went on a long train journey across Europe. She was asleep for $\frac{4}{9}$ of the journey.

She was awake for 450 minutes. How long was the journey altogether?





Answers

Page 1

1. 126 2. 154 cm 3. 40 4. 36

Page 2

1. 105 2. 201 cm 3. 150 4. 315

Page 3

1. 98 2. 75 000 3. 63 4. 810 mins