

Percentages – Missing Values

1. Alan the Alien is thinking of a number.

He says,



40% of the whole is less than 60.
If you find 52% of the whole, it's greater than 40 but less than 100.
12.5% of the whole will result in an even number with no decimal places.



Using Alan's clues, explore the different possible numbers he could be thinking of.

DP

2. Match the statements below to the wholes. Fill in the blank cards so that each card is paired up correctly.

Statements:

Card A
 $36\% = 540$

Card B
 $37.5\% = 172.5$

Card C
 $11\% = 178.2$

Card D
?

Card E
?

Card F
?

Wholes:

Card G
?

Card H
1,620

Card I
460

Card J
1,500

Card K
?

Card L
964

Investigate the different cards that can be paired together.

DP