Mental Calculations — Multiplication

Q1 Try these questions on the 12 and 16 times tables.
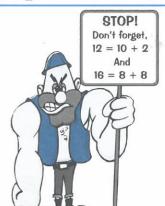
> **STOP!**
> Don't forget,
> 12 = 10 + 2
> And
> 16 = 8 + 8

a) $8 \times 12 =$ ......

b) $6 \times 16 =$ ......

c) $4 \times 12 =$ ......

d) $12 \times 5 =$ ......

e) $12 \times 9 =$ ......

f) $11 \times 16 =$ ......

g) $16 \times 7 =$ ......

h) $4 \times 16 =$ ......

Q2 Answer these sums by splitting them up into tens and units.

a) $54 \times 8 =$ ..(50 × 8).. + ..(4 × 8).. = ..400.. + ..32.. = ..432..

b) $36 \times 4 =$ .... + ... = ... + ... = ...

c) $72 \times 9 =$ .... + ... = ... + ... = ...

d) $55 \times 7 =$ .... + ... = ... + ... = ...

Q3 Multiplication and division are opposites. Use this fact to help you answer the questions below.

a) $15 \times 16 = 240$, so what is $240 \div 15$? ....

b) $13 \times 46 = 598$, so what is $598 \div 13$? ....

c) $22 \times 18 = 396$, so what is $396 \div 18$? ....

d) $17 \times 31 = 527$, so what is $527 \div 31$? ....

Q4 Lionel the Wizard is selling some magic potions. Since he's a bit silly, he doesn't know what they do.

a) Morris Mouse buys and drinks a potion that halves his weight. He was 36 g before, so how heavy is he now?

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b) Arnold the Pig also drinks a potion that doubles his weight. He was 240 kg before, so how much does he weigh now?

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