

Answers for mastery questions

Mild: There should be 4 answers for each triangle (except $12 \times 12 = 144$)

$1 \times 12 = 12$

$12 \times 1 = 12$

$12 \div 1 = 12$

$12 \div 12 = 1$

$2 \times 12 = 24$

$12 \times 2 = 24$

$24 \div 2 = 12$

$24 \div 12 = 2$

$3 \times 12 = 36$

$12 \times 3 = 36$

$36 \div 3 = 12$

$36 \div 12 = 3$

$4 \times 12 = 48$

$12 \times 4 = 48$

$48 \div 4 = 12$

$48 \div 12 = 4$

$5 \times 12 = 60$

$12 \times 5 = 60$

$60 \div 5 = 12$

$60 \div 12 = 5$

$6 \times 12 = 72$

$12 \times 6 = 72$

$72 \div 6 = 12$

$72 \div 12 = 6$

$7 \times 12 = 84$

$12 \times 7 = 84$

$84 \div 7 = 12$

$84 \div 12 = 7$

$8 \times 12 = 96$

$12 \times 8 = 96$

$96 \div 8 = 12$

$96 \div 12 = 8$

$9 \times 12 = 108$

$12 \times 9 = 108$

$108 \div 9 = 12$

$108 \div 12 = 9$

$10 \times 12 = 120$

$12 \times 10 = 120$

$120 \div 10 = 12$

$120 \div 12 = 10$

$11 \times 12 = 132$

$12 \times 11 = 132$

$132 \div 11 = 12$

$132 \div 12 = 11$

$12 \times 12 = 144$

$144 \div 12 = 12$

Spicy/Hot

- 24, 60 and 72
- 12×3 : Sarah can use her 10 x tables as follows: She knows $10 \times 3 = 30$. She then needs to multiply the remaining 2 by 3 which is 6. Add 30 and 6 = 36
- Own word problem
- $6 \times 12 = \text{£}72$ - you can use a bar model, array to represent this.
- $8 \times 12 = 96$; $12 \times 8 = 96$; $96 \div 12 = 8$; $96 \div 8 = 12$
- 4.8, 8.4, 9.6, 10.8
- Going downwards 4, 11, 20 12, 6, 50
- $3/8 = 36$ so you need to divide 36 by 3 which is 12. Then you know all the other boxes will be 12 so you have 8 boxes $\times 12 = 96$ altogether.

12	12	12	12	12	12	12	12
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