

# Multiplication and Division Facts

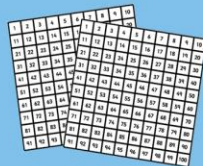
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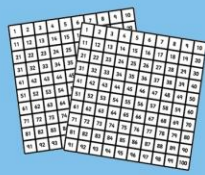
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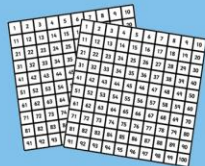


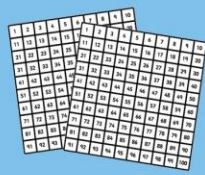


Just like with addition and subtraction, multiplication and division facts are connected.

Subtraction is the opposite (or inverse) of addition and multiplication is the opposite (or inverse) of division.

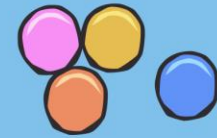
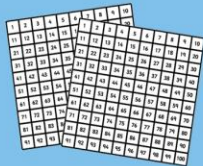
If I have 3 tins and multiply them by 4, I will get 12 tins.

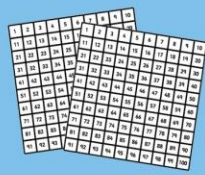




But if I divide my 12 tins by 4, I will have 3 again.

$$12 \div 4 = 3$$





Here are four related multiplication and division number sentences. Can you spot any patterns between them?

$$4 \times 8 = 32$$

$$8 \times 4 = 32$$

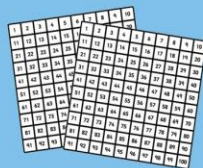
$$32 \div 4 = 8$$

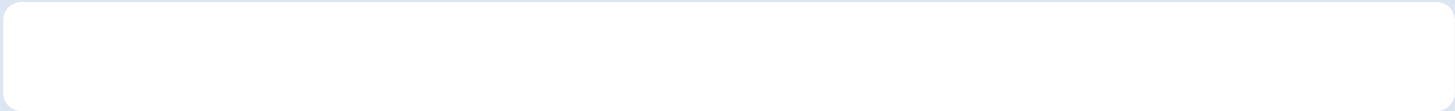
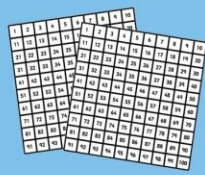
$$32 \div 8 = 4$$



x

+





The small numbers are swappable in multiplication.

$$4 \times 8 = 32$$

Multiplications have the largest number at the end.

$$8 \times 4 = 32$$

Divisions have the largest number at the beginning.

$$32 \div 4 = 8$$

The small numbers are swappable in division.

$$32 \div 8 = 4$$

