

Use the distributive property to split a product

NAME	DATE	SCORE / 10
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1 $3 \times 17 = 30 + \square$

2 Emma finds 5×19 like this: $5 \times 10 = 50$ and $5 \times 9 = 45$, so $5 \times 19 = 50 + 45 = 95$. Is Emma right, and what is 5×19 ?

☐ No, $5 \times 19 = 59$ ☐ Yes, $5 \times 19 = 95$ ☐ No, $5 \times 19 = 50$

3 $9 \times 15 = 9 \times 10 + 9 \times 5 = ?$

4 Cleo finds 3×18 like this: $3 \times 10 = 30$, so $3 \times 18 = 30 + 8 = 38$. Is Cleo right, and what is 3×18 ?

☐ Yes, $3 \times 18 = 38$ ☐ No, $3 \times 18 = 54$ ☐ No, $3 \times 18 = 27$

5 $3 \times 18 = 3 \times 10 + 3 \times 8 = ?$

6 Noah finds 9×18 like this: $9 \times 10 = 90$ and $9 \times 8 = 72$, so $9 \times 18 = 90 + 72 = 162$. Is Noah right, and what is 9×18 ?

☐ Yes, $9 \times 18 = 162$ ☐ No, $9 \times 18 = 98$ ☐ No, $9 \times 18 = 81$

7 $7 \times 17 = 70 + \square$

8 Dev finds 4×12 like this: $4 \times 10 = 40$ and $4 \times 2 = 8$, so $4 \times 12 = 40 + 8 = 48$. Is Dev right, and what is 4×12 ?

☐ Yes, $4 \times 12 = 48$ ☐ No, $4 \times 12 = 12$ ☐ No, $4 \times 12 = 42$

9 $4 \times 17 = 40 + \square$

10 Ivy finds 3×14 like this: $3 \times 10 = 30$, so $3 \times 14 = 30 + 4 = 34$. Is Ivy right, and what is 3×14 ?

☐ No, $3 \times 14 = 42$ ☐ Yes, $3 \times 14 = 34$ ☐ No, $3 \times 14 = 15$

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1 21

3 135

5 54

7 49

9 28

2 Yes, $5 \times 19 = 95$

4 No, $3 \times 18 = 54$

6 Yes, $9 \times 18 = 162$

8 Yes, $4 \times 12 = 48$

10 No, $3 \times 14 = 42$