Умножение дробей и целого числа (визуальное)

Имя:

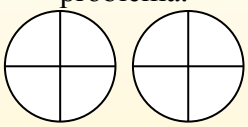
Используйте визуальную модель, чтобы решить задачу.

$^2/_4 \times 3 =$

Для решения задач на умножение дробей, одна стратегия — рассматривать их как задачи на сложение. Например, задача выше эквивалентна: $^2/_4 + {}^2/_4 + {}^2/_4$

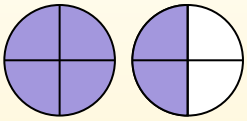
$^2/_4 \times 3 =$

Если мы затеним 2/4 в каждой из трёх дробей, мы сможем увидеть визуальное представление задачи.

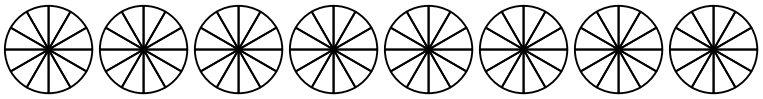


$^2/_4 \times 3 = 1\,{}^2/_4$

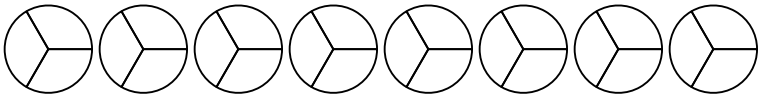
После затенения мы можем увидеть, почему 2/4 три раза равно 1 целому и $^2/_4$.



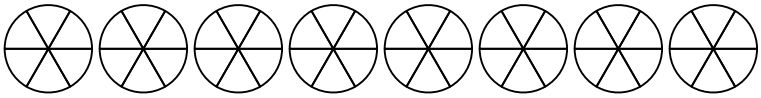
1) $\frac{3}{12} \times 4 =$



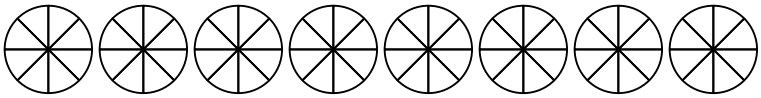
2) $\frac{2}{3} \times 3 =$



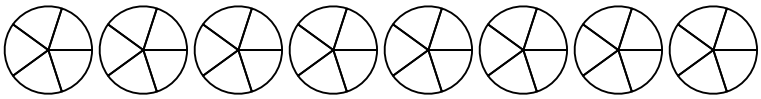
3) $\frac{1}{6} \times 5 =$



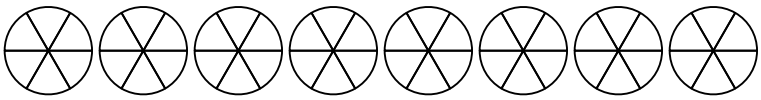
4) $\frac{7}{8} \times 3 =$



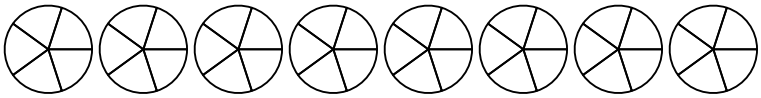
5) $\frac{1}{5} \times 2 =$



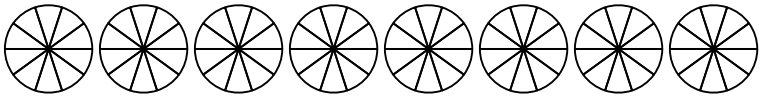
6) $\frac{2}{6} \times 3 =$



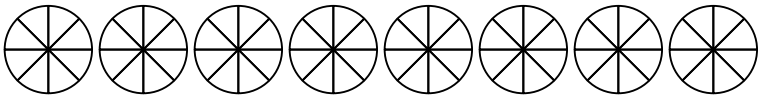
7) $\frac{3}{5} \times 3 =$



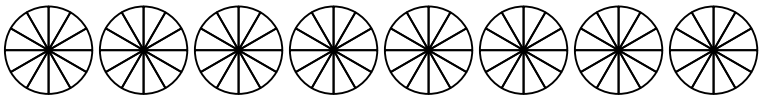
8) $\frac{6}{10} \times 7 =$



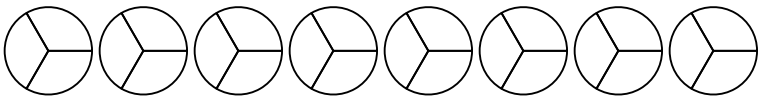
9) $\frac{5}{8} \times 6 =$



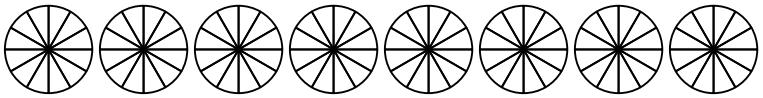
10) $\frac{1}{12} \times 5 =$



11) $\frac{2}{3} \times 2 =$



12) $\frac{10}{12} \times 3 =$



Ответы

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Умножение дробей и целого числа (визуальное)

Имя: **Ключ к правильным ответам**

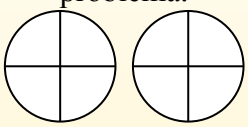
Используйте визуальную модель, чтобы решить задачу.

$^2/_4 \times 3 =$

Для решения задач умножения дробей, одна стратегия заключается в том, чтобы думать о них как о задачах сложения. Например, предыдущая задача то же самое, что: $^2/_4 + {}^2/_4 + {}^2/_4$

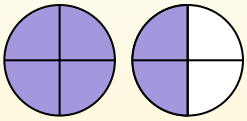
$^2/_4 \times 3 =$

Если мы затеним 2/4 в дробях ниже 3 раза, мы можем увидеть визуальное представление задачи.

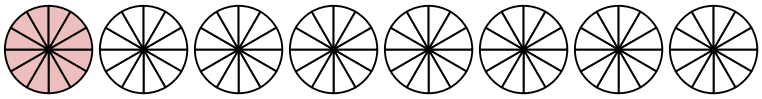


$^2/_4 \times 3 = 1\,{}^2/_4$

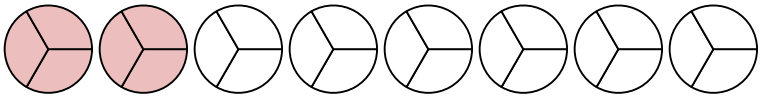
После затенения, мы можем видеть почему 2/4 три раза равно 1 целому и $^2/_4$.



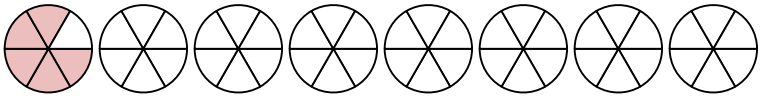
1) $\frac{3}{12} \times 4 =$



2) $\frac{2}{3} \times 3 =$



3) $\frac{1}{6} \times 5 =$



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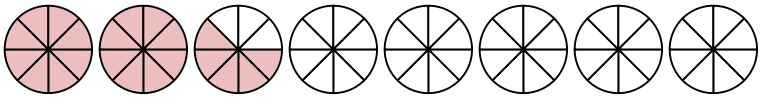
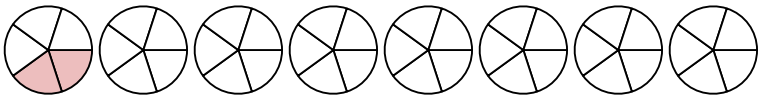
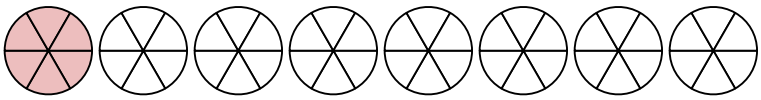


5) $\frac{1}{5} \times 2 =$



6) $\frac{2}{6} \times 3 =$



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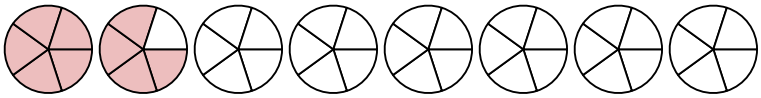

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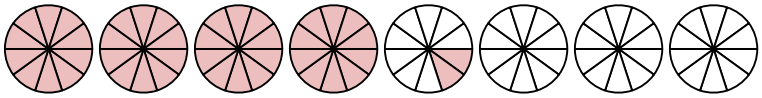

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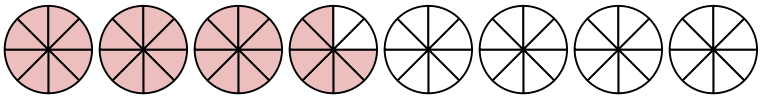
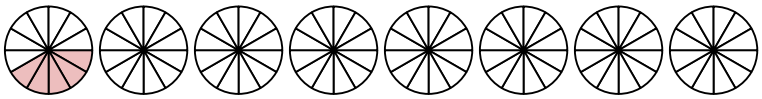
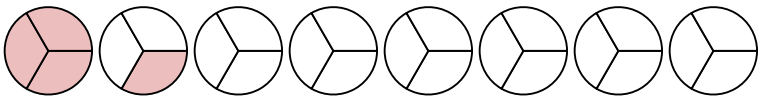


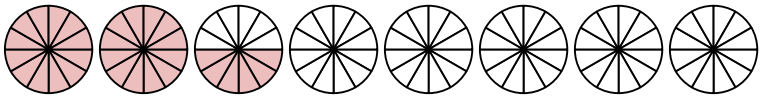
10) $\frac{1}{12} \times 5 =$



11) $\frac{2}{3} \times 2 =$



12) $\frac{10}{12} \times 3 =$



Ответы

1. $1\,{}^0/_{12}$
2. $2\,{}^0/_3$
3. $^5/_6$
4. $2\,{}^5/_8$
5. $^2/_5$
6. $1\,{}^0/_6$
7. $1\,{}^4/_5$
8. $4\,{}^2/_{10}$
9. $3\,{}^6/_8$
10. $^5/_{12}$
11. $1\,{}^1/_3$
12. $2\,{}^6/_{12}$

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								