

Name: _____

Multiplication - Number Fact Families A



Strategy: Doubles

Number Fact Families

When learning number fact families for multiplication and division, there are four different facts: multiplication, multiplication turn-arounds and division by each factor.

This set of facts relates to the addition double facts, previously learned.

E.g. Multiplication: Double x2, Turn Around 2x

1) $7 \times 2 =$ _____ 2) $2 \times 7 =$ _____

Division $\div 2$, \div Related Fact

3) $14 \div 2 =$ _____ 4) $14 \div 7 =$ _____

Number Fact Family for 8×2

5) $8 \times 2 =$ _____ 6) $2 \times 8 =$ _____

7) $16 \div 2 =$ _____

Number Fact Family for 9×2

9) $9 \times 2 =$ _____ 10) $2 \times 9 =$ _____

Related Facts

Write your own

13) $5 \times 2 =$ _____

15) _____ \div _____ = _____

21) _____ \times _____ = _____

23) $6 \div 2 =$ _____ 24) $6 \div 3 =$ _____

25) $12 \times 2 =$ _____ 26) $12 \times 10 =$ _____

27) _____ \div _____ = _____ 28) _____ \div _____ = _____

29) _____ \times _____ = _____ 30) _____ \times _____ = _____

31) $8 \div 2 =$ _____ 32) $8 \div 4 =$ _____

35) $12 \times 2 =$ _____ 36) $6 \times 2 =$ _____

37) $9 \times 2 =$ _____ 38) $8 \times 2 =$ _____

39) $1 \times 2 =$ _____ 40) $10 \times 2 =$ _____

Division: $\div 2$, \div Related Fact

41) $18 \div 9 =$ _____ 42) $8 \div 2 =$ _____

43) $18 \div 2 =$ _____ 44) $6 \div 3 =$ _____

45) $14 \div 7 =$ _____ 46) $24 \div 2 =$ _____

47) $22 \div 2 =$ _____ 48) $20 \div 10 =$ _____

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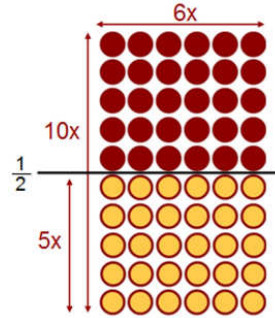
Multiplication - Number Fact Families B



Strategy: 5 is Half 10

THINK: 5 is half 10 so multiply by 10 and halve it.
 Even multiples of 5 are equal to half the number of tens
 $5 \times 6 = 10 \times 3 = 30$
 Odd multiples always end in 5 and are 5 more than the previous multiple
 5×7 think: $5 \times 6 = 30$ so $5 \times 7 = 35$

THINK: $5 \times 6 = 30$ (3 tens, half of 60)
 $5 \times 7 = 35$



Multiplication: x 10, x 5

- 1) $8 \times 10 =$ _____ 5) $4 \times 10 =$ _____ 9) $9 \times 10 =$ _____ 13) $3 \times 10 =$ _____
 2) $8 \times 5 =$ _____ 6) $4 \times 5 =$ _____ 10) $9 \times 5 =$ _____ 14) $3 \times 5 =$ _____
 3) $6 \times 10 =$ _____) = _____
 4) $6 \times 5 =$ _____ = _____



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Related Fa

Write the N

- 17) $8 \times 5 =$ _____ = _____
 19) _____ = _____
 25) _____ = _____

27) $30 \div 5 =$ _____ 28) $30 \div 6 =$ _____

39) $11 \times 5 =$ _____ 40) $10 \times 3 =$ _____

41) $8 \times 5 =$ _____ 42) $5 \times 9 =$ _____

29) $7 \times 5 =$ _____ 30) $5 \times 7 =$ _____

43) $10 \times 5 =$ _____ 44) $5 \times 12 =$ _____

31) _____ = _____ 32) _____ = _____

Division: $\div 10, \div 5, \div$ Related Fact

45) $60 \div 5 =$ _____ 46) $45 \div 5 =$ _____

33) $12 \times 5 =$ _____ 34) $5 \times 12 =$ _____

47) $60 \div 6 =$ _____ 48) $40 \div 8 =$ _____

35) $60 \div 5 =$ _____ 36) $60 \div 12 =$ _____

49) $0 \div 5 =$ _____ 50) $35 \div 5 =$ _____

51) $30 \div 5 =$ _____ 52) $20 \div 10 =$ _____

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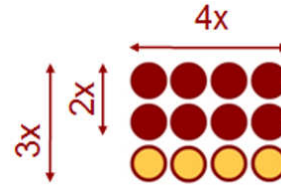
Multiplication - Number Fact Families C



Strategy: 3x - "Double and One More Set"

3×4 : $2 \times 4 = 8$; $3 \times 4 = 8 + 4 = 12$

THINK: $2 \times 4 = 8$
 $3 \times 4 = 8 + 4$



Number Fact Family for 6 x 3

- 1) $9 \times 3 =$ _____ 2) $3 \times 9 =$ _____
 3) $27 \div 3 =$ _____ 4) $27 \div 9 =$ _____

Number Fact Family for 7 x 3

- 5) $7 \times 3 =$ _____ 6) $3 \times 7 =$ _____
 7) $21 \div 3 =$ _____ 8) $21 \div 7 =$ _____

Related Fact Families

Write the Number

- 9) $11 \times 3 =$ _____
 11) _____

- 17) $5 \times 3 =$ _____
 19) _____

- 25) _____

- 27) $36 \div 3 =$ _____ 28) $36 \div 12 =$ _____

- 29) $4 \times 3 =$ _____ 30) $3 \times 4 =$ _____

- 31) _____ \div _____ = _____ 32) _____ \div _____ = _____

- 33) _____ \times _____ = _____ 34) _____ \times _____ = _____

- 35) $30 \div 5 =$ _____ 36) $30 \div 6 =$ _____



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- 39) $9 \times 3 =$ _____ 40) $3 \times 12 =$ _____

- 41) $4 \times 3 =$ _____ 42) $3 \times 7 =$ _____

- 43) $0 \times 3 =$ _____ 44) $3 \times 8 =$ _____

Division: $\div 3$, \div Related Fact

- 45) $27 \div 3 =$ _____ 46) $36 \div 12 =$ _____

- 47) $18 \div 6 =$ _____ 48) $21 \div 3 =$ _____

- 49) $24 \div 3 =$ _____ 50) $27 \div 9 =$ _____

- 51) $33 \div 11 =$ _____ 52) $9 \div 3 =$ _____

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