

Name: _____

Multiplication - Number Fact Families E



Strategy: 9x - "Tens Less One Set"

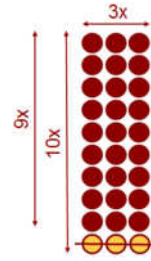
9 is one less than 10 so x 10 and take away one set.

Think: 9 x 6 is the same as 10 x 6 – 1 x 6

or

Think: 9 x 6... one less than 6 is 5... fifty-what? 5 + 4 = 9... 54

There are also some finger games you can play for x 9.



Number Fact Family for 8 x 9 (x 10 take 8)

1) $8 \times 9 = \underline{\quad}$ 2) $9 \times 8 = \underline{\quad}$

3) $72 \div 9 = \underline{\quad}$ 4) $72 \div 8 = \underline{\quad}$

Number Fact Family for 6 x 9 (x 10 take 6)

5) $6 \times 9 = \underline{\quad}$ 6) $9 \times 6 = \underline{\quad}$

7) $54 \div 9 = \underline{\quad}$ 8) $54 \div 6 = \underline{\quad}$

Related Fact Families

Write the Number Fact Families for these:

9) $9 \times 4 = \underline{\quad}$ 10) $4 \times 9 = \underline{\quad}$

11) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 12) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

13) $7 \times 9 = \underline{\quad}$ 14) $9 \times 7 = \underline{\quad}$

15) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 16) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

17) $9 \times 9 = \underline{\quad}$ 18) $9 \times 0 = \underline{\quad}$

19) $81 \div 9 = \underline{\quad}$ 20) $0 \div 9 = \underline{\quad}$

21) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 22) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

23) $108 \div 9 = \underline{\quad}$ 24) $108 \div 12 = \underline{\quad}$

25) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 26) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

27) $99 \div 9 = \underline{\quad}$ 28) $99 \div 11 = \underline{\quad}$

Multiplication: x 9

37) $10 \times 9 = \underline{\quad}$ 38) $9 \times 7 = \underline{\quad}$

39) $0 \times 9 = \underline{\quad}$ 40) $9 \times 12 = \underline{\quad}$

41) $2 \times 9 = \underline{\quad}$ 42) $9 \times 5 = \underline{\quad}$

43) $1 \times 9 = \underline{\quad}$ 44) $9 \times 6 = \underline{\quad}$

29) $5 \times 9 = \underline{\quad}$ 30) $9 \times 5 = \underline{\quad}$

31) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 32) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

Division: $\div 9$, \div Related Fact

45) $27 \div 9 = \underline{\quad}$ 46) $54 \div 6 = \underline{\quad}$

47) $81 \div 9 = \underline{\quad}$ 48) $90 \div 9 = \underline{\quad}$

49) $18 \div 3 = \underline{\quad}$ 50) $63 \div 9 = \underline{\quad}$

51) $9 \div 9 = \underline{\quad}$ 52) $108 \div 12 = \underline{\quad}$

33) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 34) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$

35) $27 \div 9 = \underline{\quad}$ 36) $27 \div 3 = \underline{\quad}$

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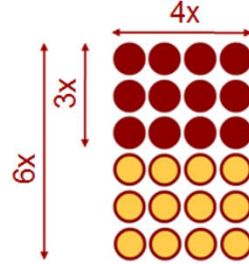
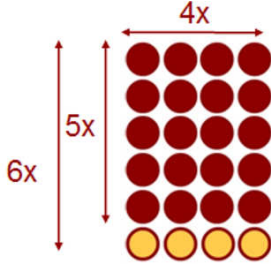
Name: _____

Multiplication - Number Fact Families F



Strategy: 6x - "Build From Fives, Double 3x"

Think: 6×4 is the same as (5×4) then add 4 = $20 + 4$ or 6×4 is the same as 3×4 (12) doubled $6 \times 4 = 24$



Number Fact Family for 8×6

- 1) $8 \times 6 =$ _____ 2) $6 \times 8 =$ _____
3) $48 \div 6 =$ _____ 4) $48 \div 8 =$ _____

Number Fact Family for 12×6

- 5) $12 \times 6 =$ _____ 6) $6 \times 12 =$ _____
7) $72 \div 6 =$ _____ 8) $72 \div 12 =$ _____

Related Fact Families

Write the Number Fact Families for these:

- 9) $9 \times 6 =$ _____ 10) $6 \times 9 =$ _____
11) _____ \div _____ = _____ 12) _____ \div _____ = _____

- 13) $12 \times 6 =$ _____ 14) $6 \times 12 =$ _____
15) _____ \div _____ = _____ 16) _____ \div _____ = _____

- 17) _____ \times _____ = _____ 18) _____ \times _____ = _____
19) $42 \div 6 =$ _____ 20) $42 \div 7 =$ _____

Multiplication: $\times 6$

- 29) $9 \times 6 =$ _____ 30) $6 \times 3 =$ _____
31) $0 \times 6 =$ _____ 32) $6 \times 8 =$ _____
33) $12 \times 6 =$ _____ 34) $6 \times 6 =$ _____
35) $6 \times 6 =$ _____ 36) $6 \times 7 =$ _____

- 21) $4 \times 6 =$ _____ 22) $6 \times 4 =$ _____
23) _____ \div _____ = _____ 24) _____ \div _____ = _____

Division: $\div 6$, \div Related Fact

- 37) $6 \div 6 =$ _____ 38) $48 \div 8 =$ _____
39) $24 \div 4 =$ _____ 40) $54 \div 6 =$ _____
41) $66 \div 6 =$ _____ 42) $36 \div 6 =$ _____
43) $30 \div 5 =$ _____ 44) $72 \div 12 =$ _____

- 25) _____ \times _____ = _____ 26) _____ \times _____ = _____
27) $66 \div 6 =$ _____ 28) $66 \div 11 =$ _____

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Multiplication - Number Fact Families G

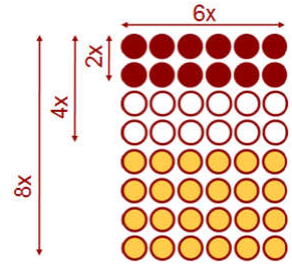


Strategy: 8x - "Double Double Double"

This is a tricky strategy so take care.

Think: 8x6 is the same as double 6, double 12, then double 24

NB: Most 8x facts will have been covered in other sets by this stage.



Number Fact Family for 7 x 8

- 1) $7 \times 8 =$ _____ 2) $8 \times 7 =$ _____
3) $56 \div 8 =$ _____ 4) $56 \div 7 =$ _____

Number Fact Family for 12 x 8

- 5) $12 \times 8 =$ _____ 6) $8 \times 12 =$ _____
7) $96 \div 6 =$ _____ 8) $96 \div 12 =$ _____

Related Fact Families

Write the Number Fact Families for these:

- 9) $5 \times 8 =$ _____ 10) $8 \times 5 =$ _____
11) _____ \div _____ = _____ 12) _____ \div _____ = _____

- 13) $9 \times 8 =$ _____ 14) $8 \times 9 =$ _____
15) _____ \div _____ = _____ 16) _____ \div _____ = _____

- 17) $8 \times 8 =$ _____ 18) $8 \times 0 =$ _____
19) $64 \div 8 =$ _____ 20) $0 \div 8 =$ _____

- 21) _____ \times _____ = _____ 22) _____ \times _____ = _____
23) $108 \div 9 =$ _____ 24) $108 \div 12 =$ _____

- 25) _____ \times _____ = _____ 26) _____ \times _____ = _____
27) $48 \div 8 =$ _____ 28) $48 \div 6 =$ _____

Multiplication: $\times 8$

- 37) $12 \times 8 =$ _____ 38) $8 \times 12 =$ _____
39) $7 \times 8 =$ _____ 40) $8 \times 6 =$ _____
41) $2 \times 8 =$ _____ 42) $8 \times 8 =$ _____
43) $1 \times 8 =$ _____ 44) $8 \times 4 =$ _____

- 29) $4 \times 8 =$ _____ 30) $8 \times 4 =$ _____

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

Division: $\div 8$, \div Related Fact

- 45) $16 \div 8 =$ _____ 46) $40 \div 8 =$ _____
47) $32 \div 8 =$ _____ 48) $24 \div 8 =$ _____
49) $88 \div 8 =$ _____ 50) $64 \div 8 =$ _____
51) $80 \div 8 =$ _____ 52) $48 \div 8 =$ _____

- 33) _____ \times _____ = _____ 34) _____ \times _____ = _____
35) $16 \div 8 =$ _____ 36) $16 \div 2 =$ _____

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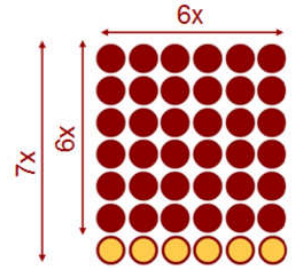
Multiplication - Number Fact Families H



Strategy: 7x - "Build From Known Facts"

These facts are a difficult set of facts, however nearly all 7x facts will have been covered in other sets by this stage.

Think: $6 \times 6 = 36 \dots$ $36 + 6 = 42$



Number Fact Family for 6 x 7

1) $6 \times 7 =$ _____ 2) $7 \times 6 =$ _____

3) $42 \div 7 =$ _____ 4) $42 \div 6 =$ _____

Number Fact Family for 12 x 7

5) $12 \times 7 =$ _____ 6) $7 \times 12 =$ _____

7) $84 \div 7 =$ _____ 8) $84 \div 12 =$ _____

Related Fact Families

Write the Number Fact Families for these:

9) $4 \times 7 =$ _____ 10) $7 \times 4 =$ _____

11) _____ \div _____ = _____ 12) _____ \div _____ = _____

13) $9 \times 7 =$ _____ 14) $7 \times 9 =$ _____

15) _____ \div _____ = _____ 16) _____ \div _____ = _____

17) $7 \times 7 =$ _____ 18) $7 \times 0 =$ _____

19) $49 \div 7 =$ _____ 20) $0 \div 7 =$ _____

21) _____ \times _____ = _____ 22) _____ \times _____ = _____

23) $77 \div 7 =$ _____ 24) $77 \div 11 =$ _____

25) _____ \times _____ = _____ 26) _____ \times _____ = _____

27) $56 \div 7 =$ _____ 28) $56 \div 8 =$ _____

Multiplication: x 7

37) $3 \times 7 =$ _____ 38) $7 \times 12 =$ _____

39) $1 \times 7 =$ _____ 40) $7 \times 9 =$ _____

41) $6 \times 7 =$ _____ 42) $7 \times 11 =$ _____

43) $7 \times 7 =$ _____ 44) $7 \times 8 =$ _____

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

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

Division: $\div 7$, \div Related Fact

45) $49 \div 7 =$ _____ 46) $28 \div 4 =$ _____

47) $56 \div 8 =$ _____ 48) $14 \div 7 =$ _____

49) $77 \div 7 =$ _____ 50) $42 \div 6 =$ _____

51) $63 \div 9 =$ _____ 52) $21 \div 7 =$ _____

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

35) $21 \div 7 =$ _____ 36) $21 \div 3 =$ _____

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Name: _____

Multiplication - Number Fact Families I



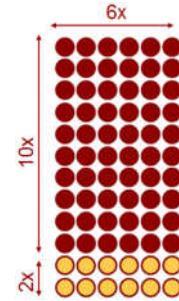
Strategy: 12x - "Build From Tens Facts"

Times 12 facts may be completed using a "times 10 plus times 2" strategy.

Think: $12 \times 8 = 10 \times 8 + 2 \times 8 = 80 + 16 = 96$

Times 11 facts:

These are mostly easy, since the numbers of tens and ones is the same as the multiplier.



Number Fact Family for 12 x 11

- 1) $12 \times 11 = \underline{\quad}$ 2) $11 \times 12 = \underline{\quad}$
3) $132 \div 12 = \underline{\quad}$ 4) $132 \div 11 = \underline{\quad}$

Number Fact Family for 12 x 12, 11 x 11

- 5) $12 \times 12 = \underline{\quad}$ 6) $11 \times 11 = \underline{\quad}$
7) $144 \div 12 = \underline{\quad}$ 8) $121 \div 11 = \underline{\quad}$

Related Fact Families

Write the Number Fact Families for these:

- 9) $7 \times 12 = \underline{\quad}$ 10) $12 \times 7 = \underline{\quad}$
11) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 12) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

- 13) $9 \times 12 = \underline{\quad}$ 14) $12 \times 9 = \underline{\quad}$
15) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 16) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

- 17) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 18) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
19) $72 \div 12 = \underline{\quad}$ 20) $72 \div 6 = \underline{\quad}$

- 21) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 22) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
23) $96 \div 12 = \underline{\quad}$ 24) $96 \div 8 = \underline{\quad}$

- 25) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 26) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
27) $60 \div 12 = \underline{\quad}$ 28) $60 \div 5 = \underline{\quad}$

Multiplication: x 12

- 37) $2 \times 12 = \underline{\quad}$ 38) $12 \times 12 = \underline{\quad}$
39) $8 \times 12 = \underline{\quad}$ 40) $7 \times 12 = \underline{\quad}$
41) $9 \times 12 = \underline{\quad}$ 42) $4 \times 12 = \underline{\quad}$
43) $6 \times 12 = \underline{\quad}$ 44) $11 \times 12 = \underline{\quad}$

- 29) $3 \times 12 = \underline{\quad}$ 30) $12 \times 3 = \underline{\quad}$
31) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$ 32) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$

Division: ÷ 12, ÷ Related Fact

- 45) $60 \div 5 = \underline{\quad}$ 46) $144 \div 12 = \underline{\quad}$
47) $132 \div 11 = \underline{\quad}$ 48) $60 \div 12 = \underline{\quad}$
49) $48 \div 12 = \underline{\quad}$ 50) $96 \div 8 = \underline{\quad}$
51) $72 \div 6 = \underline{\quad}$ 52) $36 \div 12 = \underline{\quad}$

- 33) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$ 34) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
35) $48 \div 12 = \underline{\quad}$ 36) $48 \div 4 = \underline{\quad}$

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Multiplication - Number Fact Families E



Strategy: 9x - "Tens Less One Set"

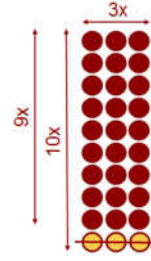
9 is one less than 10 so x 10 and take away one set.

Think: 9 x 6 is the same as 10 x 6 – 1 x 6

or

Think: 9 x 6... one less than 6 is 5... fifty-what? 5 + 4 = 9... 54

There are also some finger games you can play for x 9.



Number Fact Family for 8 x 9 (x 10 take 8)

- 1) $8 \times 9 = \underline{72}$ 2) $9 \times 8 = \underline{72}$
3) $72 \div 9 = \underline{8}$ 4) $72 \div 8 = \underline{9}$

Number Fact Family for 6 x 9 (x 10 take 6)

- 5) $6 \times 9 = \underline{54}$ 6) $9 \times 6 = \underline{54}$
7) $54 \div 9 = \underline{6}$ 8) $54 \div 6 = \underline{9}$

Related Fact Families

Write the Number Fact Families for these:

- 9) $9 \times 4 = \underline{36}$ 10) $4 \times 9 = \underline{36}$
11) $36 \div 4 = \underline{9}$ 12) $36 \div 9 = \underline{4}$
13) $7 \times 9 = \underline{63}$ 14) $9 \times 7 = \underline{63}$
15) $63 \div 9 = \underline{7}$ 16) $63 \div 7 = \underline{9}$
17) $9 \times 9 = \underline{81}$ 18) $9 \times 0 = \underline{0}$
19) $81 \div 9 = \underline{9}$ 20) $0 \div 9 = \underline{0}$
21) $12 \times 9 = \underline{108}$ 22) $9 \times 12 = \underline{108}$
23) $108 \div 9 = \underline{12}$ 24) $108 \div 12 = \underline{9}$
25) $11 \times 9 = \underline{99}$ 26) $9 \times 11 = \underline{99}$
27) $99 \div 9 = \underline{11}$ 28) $99 \div 11 = \underline{9}$
29) $5 \times 9 = \underline{45}$ 30) $9 \times 5 = \underline{45}$
31) $45 \div 9 = \underline{5}$ 32) $45 \div 5 = \underline{9}$
33) $3 \times 9 = \underline{27}$ 34) $9 \times 3 = \underline{27}$
35) $27 \div 9 = \underline{3}$ 36) $27 \div 3 = \underline{9}$

Multiplication: x 9

- 37) $10 \times 9 = \underline{90}$ 38) $9 \times 7 = \underline{63}$
39) $0 \times 9 = \underline{0}$ 40) $9 \times 12 = \underline{108}$
41) $2 \times 9 = \underline{18}$ 42) $9 \times 5 = \underline{45}$
43) $1 \times 9 = \underline{9}$ 44) $9 \times 6 = \underline{54}$

Division: ÷ 9, ÷ Related Fact

- 45) $27 \div 9 = \underline{3}$ 46) $54 \div 6 = \underline{9}$
47) $81 \div 9 = \underline{9}$ 48) $90 \div 9 = \underline{10}$
49) $18 \div 3 = \underline{6}$ 50) $63 \div 9 = \underline{7}$
51) $9 \div 9 = \underline{1}$ 52) $108 \div 12 = \underline{9}$

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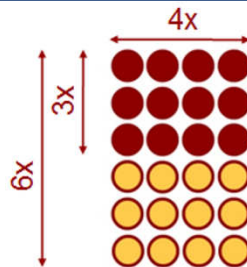
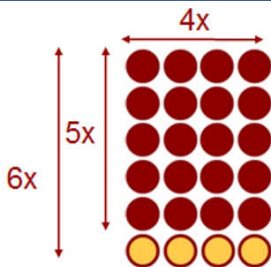
Name: _____

Multiplication - Number Fact Families F



Strategy: 6x - "Build From Fives, Double 3x"

Think: 6×4 is the same as (5×4) then add 4 = $20 + 4$ or 6×4 is the same as 3×4 (12) doubled $6 \times 4 = 24$



Number Fact Family for 8×6

1) $8 \times 6 = \underline{48}$ 2) $6 \times 8 = \underline{48}$

3) $48 \div 6 = \underline{8}$ 4) $48 \div 8 = \underline{6}$

Number Fact Family for 12×6

5) $12 \times 6 = \underline{72}$ 6) $6 \times 12 = \underline{72}$

7) $72 \div 6 = \underline{12}$ 8) $72 \div 12 = \underline{6}$

Related Fact Families

Write the Number Fact Families for these:

9) $9 \times 6 = \underline{54}$ 10) $6 \times 9 = \underline{54}$

11) $54 \div 6 = \underline{9}$ 12) $54 \div 9 = \underline{6}$

13) $5 \times 6 = \underline{30}$ 14) $6 \times 5 = \underline{30}$

15) $30 \div 6 = \underline{5}$ 16) $30 \div 5 = \underline{6}$

17) $7 \times 6 = \underline{42}$ 18) $6 \times 7 = \underline{42}$

19) $42 \div 6 = \underline{7}$ 20) $42 \div 7 = \underline{6}$

Multiplication: $\times 6$

29) $9 \times 6 = \underline{54}$ 30) $6 \times 3 = \underline{18}$

31) $0 \times 6 = \underline{0}$ 32) $6 \times 8 = \underline{48}$

33) $12 \times 6 = \underline{72}$ 34) $6 \times 6 = \underline{36}$

35) $6 \times 6 = \underline{36}$ 36) $6 \times 7 = \underline{42}$

21) $4 \times 6 = \underline{24}$ 22) $6 \times 4 = \underline{24}$

23) $24 \div 6 = \underline{4}$ 24) $24 \div 4 = \underline{6}$

Division: $\div 6$, \div Related Fact

37) $6 \div 6 = \underline{1}$ 38) $48 \div 8 = \underline{6}$

39) $24 \div 4 = \underline{6}$ 40) $54 \div 6 = \underline{9}$

41) $66 \div 6 = \underline{11}$ 42) $36 \div 6 = \underline{6}$

43) $30 \div 5 = \underline{6}$ 44) $72 \div 12 = \underline{6}$

25) $11 \times 6 = \underline{66}$ 26) $6 \times 11 = \underline{66}$

27) $66 \div 6 = \underline{11}$ 28) $66 \div 11 = \underline{6}$

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Multiplication - Number Fact Families G

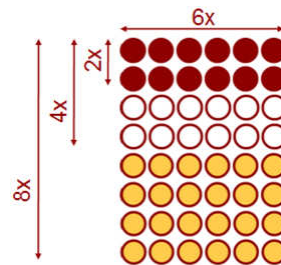


Strategy: 8x - "Double Double Double"

This is a tricky strategy so take care.

Think: 8x6 is the same as double 6, double 12,
then double 24

NB: Most 8x facts will have been covered in other sets by this stage.



Number Fact Family for 7 x 8

- 1) $7 \times 8 = 56$ 2) $8 \times 7 = 56$
3) $56 \div 8 = 7$ 4) $56 \div 7 = 8$

Number Fact Family for 12 x 8

- 5) $12 \times 8 = 96$ 6) $8 \times 12 = 96$
7) $96 \div 6 = 16$ 8) $96 \div 12 = 8$

Related Fact Families

Write the Number Fact Families for these:

- 9) $5 \times 8 = 40$ 10) $8 \times 5 = 40$
11) $36 \div 4 = 9$ 12) $36 \div 9 = 4$

- 13) $9 \times 8 = 72$ 14) $8 \times 9 = 72$
15) $72 \div 8 = 9$ 16) $72 \div 9 = 8$

- 17) $8 \times 8 = 64$ 18) $8 \times 0 = 0$
19) $64 \div 8 = 8$ 20) $0 \div 8 = 0$

- 21) $10 \times 8 = 80$ 22) $8 \times 10 = 80$
23) $80 \div 8 = 10$ 24) $80 \div 10 = 8$

- 25) $6 \times 8 = 48$ 26) $8 \times 6 = 48$
27) $48 \div 6 = 8$ 28) $48 \div 8 = 6$

Multiplication: x 8

- 37) $12 \times 8 = 96$ 38) $8 \times 12 = 96$
39) $7 \times 8 = 56$ 40) $8 \times 6 = 48$
41) $2 \times 8 = 16$ 42) $8 \times 8 = 64$
43) $1 \times 8 = 8$ 44) $8 \times 4 = 32$

- 29) $4 \times 8 = 32$ 30) $8 \times 4 = 32$
31) $32 \div 8 = 4$ 32) $32 \div 4 = 8$

Division: ÷ 8, ÷ Related Fact

- 45) $16 \div 8 = 2$ 46) $40 \div 5 = 8$
47) $32 \div 4 = 8$ 48) $24 \div 8 = 3$
49) $88 \div 8 = 11$ 50) $64 \div 8 = 8$
51) $80 \div 10 = 8$ 52) $48 \div 8 = 6$

- 33) $2 \times 8 = 16$ 34) $8 \times 2 = 16$
35) $16 \div 8 = 2$ 36) $16 \div 2 = 8$

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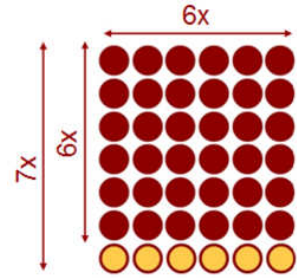
Multiplication - Number Fact Families H



Strategy: 7x - "Build From Known Facts"

These facts are a difficult set of facts, however nearly all 7x facts will have been covered in other sets by this stage.

Think: $6 \times 6 = 36$... $36 + 6 = 42$



Number Fact Family for 6 x 7

- 1) $6 \times 7 = 42$ 2) $7 \times 6 = 42$
3) $42 \div 7 = 6$ 4) $42 \div 6 = 7$

Number Fact Family for 12 x 7

- 5) $12 \times 7 = 84$ 6) $7 \times 12 = 84$
7) $84 \div 7 = 12$ 8) $84 \div 12 = 7$

Related Fact Families

Write the Number Fact Families for these:

- 9) $4 \times 7 = 28$ 10) $7 \times 4 = 28$
11) $28 \div 7 = 4$ 12) $28 \div 4 = 7$

- 13) $9 \times 7 = 63$ 14) $7 \times 9 = 63$
15) $63 \div 7 = 9$ 16) $63 \div 9 = 7$

- 17) $7 \times 7 = 49$ 18) $7 \times 0 = 0$
19) $49 \div 7 = 7$ 20) $0 \div 7 = 0$

- 21) $11 \times 7 = 77$ 22) $7 \times 11 = 77$
23) $77 \div 7 = 11$ 24) $77 \div 11 = 7$

- 25) $8 \times 7 = 56$ 26) $7 \times 8 = 56$
27) $56 \div 7 = 8$ 28) $56 \div 8 = 7$

Multiplication: x 7

- 37) $3 \times 7 = 21$ 38) $7 \times 12 = 84$
39) $1 \times 7 = 7$ 40) $7 \times 9 = 63$
41) $6 \times 7 = 42$ 42) $7 \times 11 = 77$
43) $7 \times 7 = 49$ 44) $7 \times 8 = 56$

- 29) $5 \times 7 = 35$ 30) $7 \times 5 = 35$
31) $35 \div 7 = 5$ 32) $35 \div 5 = 7$

Division: ÷ 7, ÷ Related Fact

- 45) $49 \div 7 = 7$ 46) $28 \div 4 = 7$
47) $56 \div 8 = 7$ 48) $14 \div 7 = 2$
49) $77 \div 7 = 11$ 50) $42 \div 6 = 7$
51) $63 \div 9 = 7$ 52) $21 \div 7 = 3$

- 33) $3 \times 7 = 21$ 34) $7 \times 3 = 21$
35) $21 \div 7 = 3$ 36) $21 \div 3 = 7$

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ANSWERS

Name: _____

Multiplication - Number Fact Families I



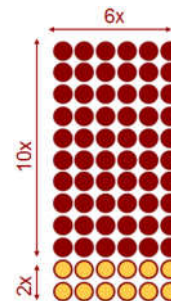
Strategy: 12x - "Build From Tens Facts"

Times 12 facts may be completed using a "times 10 plus times 2" strategy.

Think: $12 \times 8 = 10 \times 8 + 2 \times 8 = 80 + 16 = 96$

Times 11 facts:

These are mostly easy, since the numbers of tens and ones is the same as the multiplier.



Number Fact Family for 12 x 11

- 1) $12 \times 11 = \underline{132}$ 2) $11 \times 12 = \underline{132}$
3) $132 \div 12 = \underline{11}$ 4) $132 \div 11 = \underline{12}$

Number Fact Family for 12 x 12, 11 x 11

- 5) $12 \times 12 = \underline{144}$ 6) $11 \times 11 = \underline{121}$
7) $144 \div 12 = \underline{12}$ 8) $121 \div 11 = \underline{11}$

Related Fact Families

Write the Number Fact Families for these:

- 9) $7 \times 12 = \underline{84}$ 10) $12 \times 7 = \underline{84}$
11) $84 \div 12 = \underline{7}$ 12) $84 \div 7 = \underline{12}$
13) $9 \times 12 = \underline{108}$ 14) $12 \times 9 = \underline{108}$
15) $108 \div 12 = \underline{9}$ 16) $108 \div 9 = \underline{12}$
17) $6 \times 12 = \underline{72}$ 18) $12 \times 6 = \underline{72}$
19) $72 \div 12 = \underline{6}$ 20) $72 \div 6 = \underline{12}$
21) $8 \times 12 = \underline{96}$ 22) $12 \times 8 = \underline{96}$
23) $96 \div 12 = \underline{8}$ 24) $96 \div 8 = \underline{12}$
25) $5 \times 12 = \underline{60}$ 26) $12 \times 5 = \underline{60}$
27) $60 \div 12 = \underline{5}$ 28) $60 \div 5 = \underline{12}$
29) $3 \times 12 = \underline{36}$ 30) $12 \times 3 = \underline{36}$
31) $36 \div 12 = \underline{3}$ 32) $36 \div 3 = \underline{12}$
33) $4 \times 12 = \underline{48}$ 34) $12 \times 4 = \underline{48}$
35) $48 \div 12 = \underline{4}$ 36) $48 \div 4 = \underline{12}$

Multiplication: x 12

- 37) $2 \times 12 = \underline{24}$ 38) $12 \times 12 = \underline{144}$
39) $8 \times 12 = \underline{96}$ 40) $7 \times 12 = \underline{84}$
41) $9 \times 12 = \underline{108}$ 42) $4 \times 12 = \underline{48}$
43) $6 \times 12 = \underline{72}$ 44) $11 \times 12 = \underline{132}$

Division: $\div 12$, \div Related Fact

- 45) $60 \div 5 = \underline{12}$ 46) $144 \div 12 = \underline{12}$
47) $132 \div 11 = \underline{12}$ 48) $60 \div 12 = \underline{5}$
49) $48 \div 12 = \underline{4}$ 50) $96 \div 8 = \underline{12}$
51) $72 \div 6 = \underline{12}$ 52) $36 \div 12 = \underline{3}$

These worksheets are part of the Professor Pete's Gadgets eBook "Number Fact Families".