

Name: _____

Multiplication - Number Fact Families I



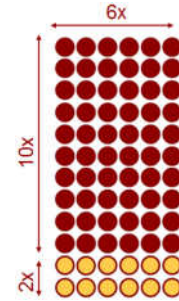
Strategy: 12x - "Build From Tens Facts"

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 Facts

Write the Number

- 9) $7 \times 12 = \underline{\quad}$
- 11) $\underline{\quad} \div \underline{\quad} = \underline{\quad}$
- 17) $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
- 19) $72 \div 12 = \underline{\quad}$



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

- 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: $\div 12$, \div 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) $48 \div 4 = \underline{\quad}$

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

ANSWERS

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Multiplication - Number Fact Families I



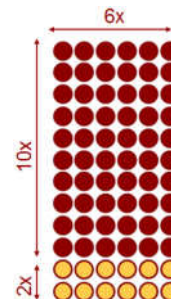
Strategy: 12x - "Build From Tens Facts"

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 Facts

Write the Number

- 9) $7 \times 12 = \underline{\quad}$
 11) $84 \div 12 = \underline{\quad}$
 17) $6 \times 12 = \underline{\quad}$
 19) $72 \div 12 = \underline{\quad}$



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25) $5 \times 12 = \underline{\quad}$

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) $48 \div 4 = \underline{12}$

37) $12 \times 12 = \underline{144}$ 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) $36 \div 12 = \underline{3}$

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