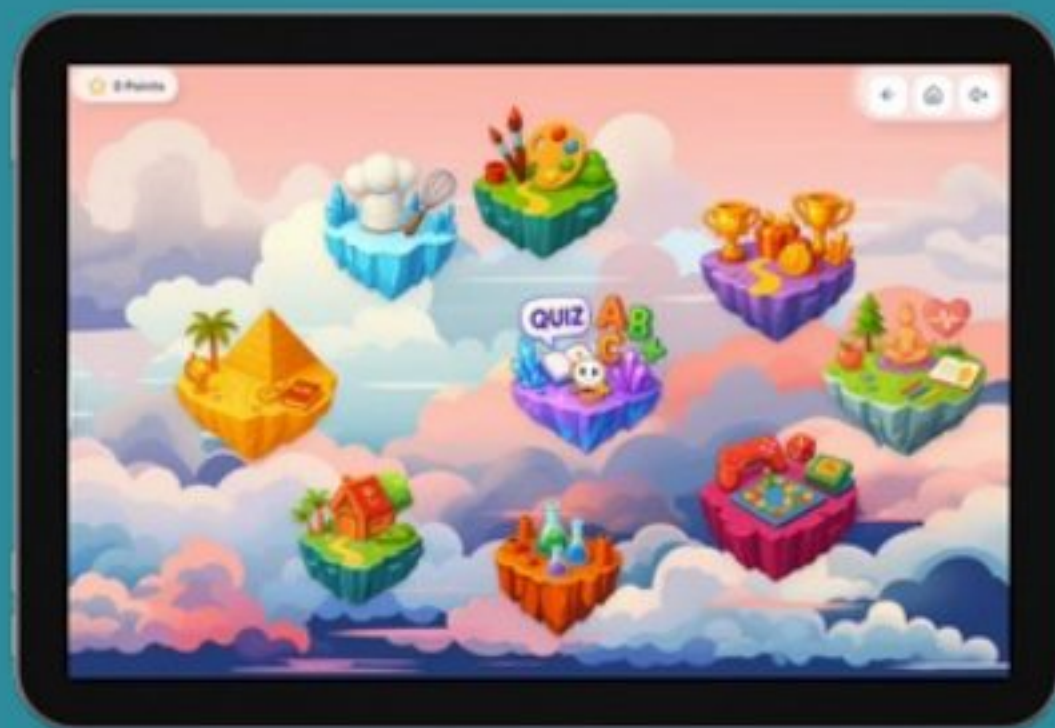




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11x Times Tables - Year 5

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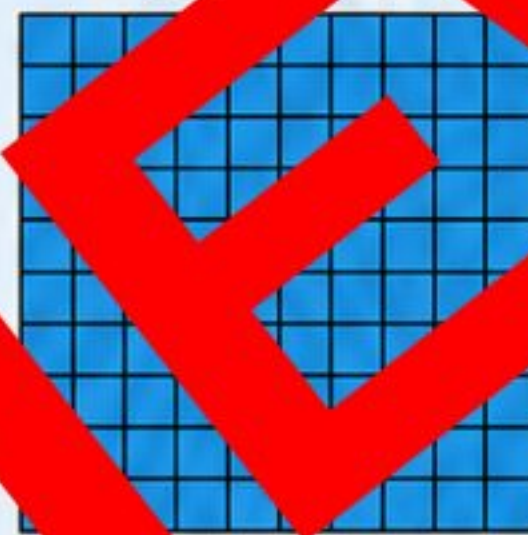
11x Times Tables Strategies

1

Split it

$$10x + 1x$$

$$7 \times 11 = 70 + 7 = 77$$



+



2

Spot the pattern

For 1-9 repeat the digit:

$$1 \times 11 = 11$$

$$4 \times 11 = 44$$

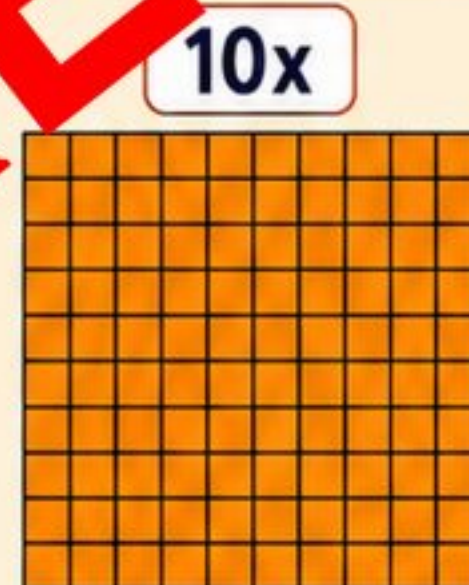
1	2	3	4	5	6	7	8	9
↓	↓	↓	↓	↓	↓	↓	↓	↓
11	22	33	44	55	66	77	88	99

3

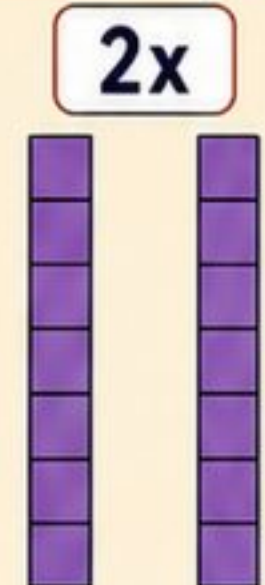
Try the 12x extension

$$10x + 2x$$

$$6 \times 12 = 60 + 12 = 72$$



+



Check with a times table chart while you learn.





11x and 12x Strategy Reference



Name: _____

Date: _____

1. 11x: split into $10x + 1x$



10x

+



1x

$$8 \times 11 = 80 + 8 = 88$$

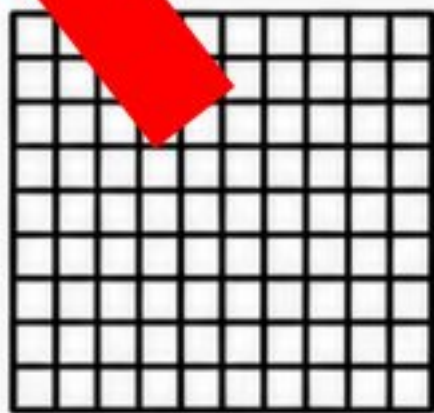
2. 11 pattern



For 1-9, repeat the digit:

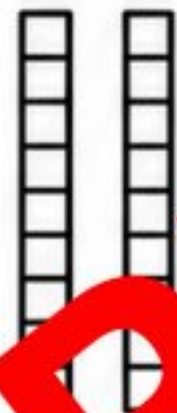
$$6 \times 11 = 66$$

3. 12x: split into $10x + 2x$



10x

+



2x

$$7 \times 12 = 70 + 14 = 84$$

4. Double 6x

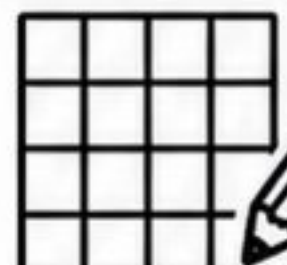
$\times 9$
6

$\times 2$
2

$$\begin{aligned} 9 \times 12 &= 9 \times 6 \times 2 \\ &= 54 \times 2 = 108 \end{aligned}$$



Tip: use a chart while practising, then try without it.





11x Quick Fire Practice

Name: _____

Date: _____

Solve each fact. Use the $10x + 1x$ strategy when helpful.

1) $11 \times 3 =$ _____

9) $11 \times 11 =$ _____

17) $1 \times 11 =$ _____

2) $11 \times 2 =$ _____

10) $11 \times 2 =$ _____

18) $7 \times 11 =$ _____

3) $11 \times 5 =$ _____

11) $11 \times 1 =$ _____

19) $10 \times 11 =$ _____

4) $11 \times 4 =$ _____

12) $11 \times 6 =$ _____

20) $4 \times 11 =$ _____

5) $11 \times 1 =$ _____

13) $3 \times 11 =$ _____

21) $11 \times 11 =$ _____

6) $11 \times 7 =$ _____

14) $8 \times 11 =$ _____

22) $2 \times 11 =$ _____

7) $11 \times 10 =$ _____

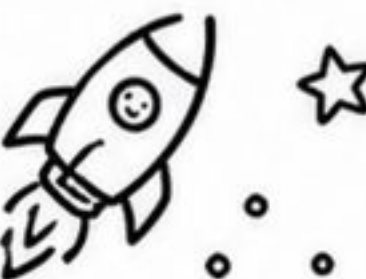
15) $5 \times 11 =$ _____

23) $9 \times 11 =$ _____

8) $11 \times 4 =$ _____

16) $12 \times 11 =$ _____

24) $6 \times 11 =$ _____





11x Quick Fire Practice

Name: ANSWERS

Date: _____

Solve each fact. Use the $10x + 1x$ strategy when helpful.

1) $11 \times 3 = \underline{33}$

9) $11 \times 11 = \underline{121}$

17) $1 \times 11 = \underline{11}$

2) $11 \times 8 = \underline{88}$

10) $11 \times 2 = \underline{22}$

18) $7 \times 11 = \underline{77}$

3) $11 \times 5 = \underline{55}$

11) $11 \times 9 = \underline{99}$

19) $10 \times 11 = \underline{110}$

4) $11 \times 1 = \underline{11}$

12) $11 \times 6 = \underline{66}$

20) $4 \times 11 = \underline{44}$

5) $11 \times 1 = \underline{11}$

13) $3 \times 11 = \underline{33}$

21) $11 \times 11 = \underline{121}$

6) $11 \times 7 = \underline{77}$

14) $8 \times 11 = \underline{88}$

22) $2 \times 11 = \underline{22}$

7) $11 \times 10 = \underline{110}$

15) $5 \times 11 = \underline{55}$

23) $9 \times 11 = \underline{99}$

8) $11 \times 4 = \underline{44}$

16) $12 \times 11 = \underline{132}$

24) $6 \times 11 = \underline{66}$





12x Quick Fire Practice

Name: _____

Date: _____

Solve each fact. Use the $10x + 2x$ strategy when it helps.

1) $12 \times 3 =$ _____

9) $12 \times 11 =$ _____

17) $1 \times 12 =$ _____

2) $12 \times 2 =$ _____

10) $12 \times 2 =$ _____

18) $7 \times 12 =$ _____

3) $12 \times 5 =$ _____

11) $12 \times 4 =$ _____

19) $10 \times 12 =$ _____

4) $12 \times 1 =$ _____

12) $12 \times 6 =$ _____

20) $4 \times 12 =$ _____

5) $12 \times 1 =$ _____

13) $3 \times 12 =$ _____

21) $11 \times 12 =$ _____

6) $12 \times 7 =$ _____

14) $8 \times 12 =$ _____

22) $2 \times 12 =$ _____

7) $12 \times 10 =$ _____

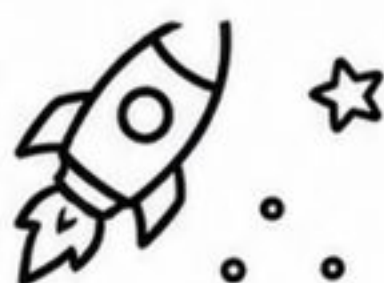
15) $5 \times 12 =$ _____

23) $9 \times 12 =$ _____

8) $12 \times 4 =$ _____

16) $12 \times 12 =$ _____

24) $6 \times 12 =$ _____





12x Quick Fire Practice

Name: ANSWERS

Date: _____

Solve each fact. Use the $10x + 2x$ strategy when it helps.

1) $12 \times 3 = \underline{36}$

9) $12 \times 11 = \underline{132}$

17) $1 \times 12 = \underline{12}$

2) $12 \times 8 = \underline{96}$

10) $12 \times 2 = \underline{24}$

18) $7 \times 12 = \underline{84}$

3) $12 \times 5 = \underline{60}$

11) $12 \times 9 = \underline{108}$

19) $10 \times 12 = \underline{120}$

4) $12 \times 1 = \underline{12}$

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

20) $4 \times 12 = \underline{48}$

5) $12 \times 1 = \underline{12}$

13) $3 \times 12 = \underline{36}$

21) $11 \times 12 = \underline{132}$

6) $12 \times 7 = \underline{84}$

14) $8 \times 12 = \underline{96}$

22) $2 \times 12 = \underline{24}$

7) $12 \times 10 = \underline{120}$

15) $5 \times 12 = \underline{60}$

23) $9 \times 12 = \underline{108}$

8) $12 \times 4 = \underline{48}$

16) $12 \times 12 = \underline{144}$

24) $6 \times 12 = \underline{72}$





Before Fluency Check

11x and 12x Times Tables



Name: _____

Date: _____

Set a one-minute timer. Solve as many as you can. Then compare your score.

1) $11 \times 1 =$ _____

10) $3 \times 11 =$ _____

17) $4 \times 12 =$ _____

2) $12 \times 3 =$ _____

11) $12 \times 6 =$ _____

18) $11 \times 5 =$ _____

3) $9 \times 11 =$ _____

12) $11 \times 11 =$ _____

19) $12 \times 12 =$ _____

4) $7 \times 12 =$ _____

13) $8 \times 12 =$ _____

20) $11 \times 11 =$ _____

5) $11 \times 11 =$ _____

14) $2 \times 11 =$ _____

21) $6 \times 12 =$ _____

6) $11 \times 11 =$ _____

15) $12 \times 9 =$ _____

22) $11 \times 10 =$ _____

7) $5 \times 12 =$ _____

16) $11 \times 7 =$ _____

23) $12 \times 2 =$ _____

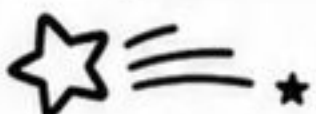
8) $6 \times 11 =$ _____

9) $10 \times 12 =$ _____

24) $11 \times 11 =$ _____

Number answered: _____

Score: _____ / 24





Before Fluency Check

11x and 12x Times Tables



Name: ANSWERS

Date: _____

Set a one-minute timer. Solve as many as you can. Then compare your score.

1) $11 \times 4 = \underline{44}$

10) $3 \times 11 = \underline{33}$

17) $4 \times 12 = \underline{48}$

2) $12 \times 3 = \underline{36}$

11) $12 \times 6 = \underline{72}$

18) $11 \times 5 = \underline{55}$

3) $9 \times 11 = \underline{99}$

12) $11 \times 12 = \underline{132}$

19) $12 \times 12 = \underline{144}$

4) $7 \times 12 = \underline{84}$

13) $8 \times 12 = \underline{96}$

20) $1 \times 11 = \underline{11}$

5) $11 \times 8 = \underline{88}$

14) $2 \times 11 = \underline{22}$

21) $6 \times 12 = \underline{72}$

6) $12 \times 11 = \underline{132}$

15) $12 \times 9 = \underline{108}$

22) $11 \times 10 = \underline{110}$

7) $5 \times 12 = \underline{60}$

16) $11 \times 7 = \underline{77}$

23) $12 \times 2 = \underline{24}$

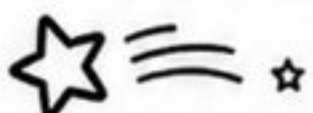
8) $6 \times 11 = \underline{66}$

9) $10 \times 12 = \underline{120}$

24) $11 \times 11 = \underline{121}$

Number answered: _____

Score: _____ / 24





After Fluency Check

11x and 12x Times Tables



Name: _____

Date: _____

Set a one-minute timer. Solve as many as you can. Compare the score with your before check.

1) $12 \times 4 =$ _____

10) $9 \times 12 =$ _____

17) $3 \times 12 =$ _____

2) $11 \times 3 =$ _____

11) $4 \times 11 =$ _____

18) $11 \times 6 =$ _____

3) $8 \times 11 =$ _____

12) $12 \times 5 =$ _____

19) $12 \times 11 =$ _____

4) $12 \times 7 =$ _____

13) $7 \times 11 =$ _____

20) $1 \times 12 =$ _____

5) $11 \times 4 =$ _____

14) $12 \times 8 =$ _____

21) $11 \times 11 =$ _____

6) $6 \times 12 =$ _____

15) $5 \times 11 =$ _____

22) $2 \times 12 =$ _____

7) $10 \times 11 =$ _____

16) $11 \times 12 =$ _____

23) $8 \times 12 =$ _____

8) $12 \times 5 =$ _____

9) $11 \times 2 =$ _____

24) $12 \times 12 =$ _____

Number answered: _____

Score: _____ / 24



Great effort today! Keep practising!





After Fluency Check

11x and 12x Times Tables



Name: ANSWERS

Date: _____

Set a one-minute timer. Solve as many as you can. Complete this score at the end of your before check.

1) $12 \times 4 = \underline{48}$

10) $9 \times 11 = \underline{99}$

17) $3 \times 12 = \underline{36}$

2) $11 \times 3 = \underline{33}$

11) $4 \times 11 = \underline{44}$

18) $11 \times 6 = \underline{66}$

3) $8 \times 11 = \underline{88}$

12) $12 \times 10 = \underline{120}$

19) $12 \times 11 = \underline{132}$

4) $12 \times 7 = \underline{84}$

13) $7 \times 11 = \underline{77}$

20) $1 \times 12 = \underline{12}$

5) $11 \times 9 = \underline{99}$

14) $12 \times 8 = \underline{96}$

21) $11 \times 11 = \underline{121}$

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

15) $5 \times 11 = \underline{55}$

22) $2 \times 12 = \underline{24}$

7) $10 \times 11 = \underline{110}$

16) $11 \times 12 = \underline{132}$

23) $8 \times 12 = \underline{96}$

8) $12 \times 5 = \underline{60}$

9) $11 \times 2 = \underline{22}$

24) $12 \times 12 = \underline{144}$

Number answered: _____

Score: _____ / 24



Great effort today! Keep practising!





Missing Factor Grid



Name: _____

Date: _____

Fill each blank factor. Think about the product, then check with a calculator.

1) $11 \times \square = 55$ 7) $\square \times 11 = 44$ 13) $8 \times \square = 88$

2) $\square \times 11 = 99$ 8) $12 \times \square = 48$ 14) $5 \times \square = 60$

3) $12 \times \square = 72$ 9) $\square \times 12 = 84$ 15) $\square \times 12 = 132$

4) $\square \times 12 = 108$ 10) $11 \times \square = 132$ 16) $3 \times \square = 33$

5) $11 \times \square = 121$ 11) $\square \times 11 = 77$ 17) $\square \times 11 = 22$

6) $12 \times \square = 144$ 12) $\square \times 12 = 24$ 18) $10 \times \square = 120$

One fact I can now recall quickly: _____





Missing Factor Grid



Name: ANSWERS

Date: _____

Fill each blank factor. Think about the product, then think with a strategy.

1) $11 \times \boxed{5} = 55$ 7) $\boxed{4} \times 11 = 44$ 5) $8 \times \boxed{11} = 88$

2) $\boxed{9} \times 11 = 99$ 8) $12 \times \boxed{4} = 48$ 14) $5 \times \boxed{12} = 60$

3) $12 \times \boxed{6} = 72$ 9) $\boxed{7} \times 12 = 84$ 15) $\boxed{11} \times 12 = 132$

4) $\boxed{9} \times 12 = 108$ 10) $11 \times \boxed{12} = 132$ 16) $3 \times \boxed{11} = 33$

5) $11 \times \boxed{11} = 121$ 11) $\boxed{7} \times 11 = 77$ 17) $\boxed{2} \times 11 = 22$

6) $12 \times \boxed{12} = 144$ 12) $3 \times \boxed{2} = 24$ 18) $10 \times \boxed{12} = 120$

One fact I can now recall quickly: Answers will vary.





The Trickies Target Practice



Name: _____

Date: _____

Solve the facts that often throw people down. Circle three to practise again.

1) $6 \times 7 =$ _____

11) $8 \times 12 =$ _____

2) $7 \times 8 =$ _____

12) $9 \times 11 =$ _____

3) $8 \times 9 =$ _____

13) $6 \times 11 =$ _____

4) $6 \times 10 =$ _____

14) $5 \times 12 =$ _____

5) $7 \times 12 =$ _____

15) $4 \times 11 =$ _____

6) $8 \times 11 =$ _____

16) $3 \times 12 =$ _____

7) $9 \times 12 =$ _____

17) $10 \times 11 =$ _____

8) $11 \times 12 =$ _____

18) $12 \times 2 =$ _____

9) $12 \times 12 =$ _____

19) $11 \times 11 =$ _____

10) $7 \times 11 =$ _____

20) $12 \times 10 =$ _____

My practice goal: _____





The Trickies Target Practice



Name: ANSWERS

Date: _____

Solve the facts that often slow people down. Circle three and practise again.

1) $6 \times 7 = \underline{42}$

11) $8 \times 12 = \underline{96}$

2) $7 \times 8 = \underline{56}$

12) $9 \times 11 = \underline{99}$

3) $8 \times 9 = \underline{72}$

13) $6 \times 11 = \underline{66}$

4) $6 \times 12 = \underline{72}$

14) $5 \times 12 = \underline{60}$

5) $12 \times 7 = \underline{84}$

15) $4 \times 11 = \underline{44}$

6) $8 \times 9 = \underline{72}$

16) $3 \times 12 = \underline{36}$

7) $9 \times 12 = \underline{108}$

17) $10 \times 11 = \underline{110}$

8) $11 \times 12 = \underline{132}$

18) $12 \times 2 = \underline{24}$

9) $12 \times 12 = \underline{144}$

19) $11 \times 11 = \underline{121}$

10) $7 \times 11 = \underline{77}$

20) $12 \times 10 = \underline{120}$

My practice goal: Answers will vary.





Multiplication Product Search



Name: _____

Date: _____

Solve each fact. Then find and circle the matching product in the number bank.

1) $11 \times 4 =$ _____

10) $10 \times 12 =$ _____

2) $12 \times 6 =$ _____

11) $11 \times 8 =$ _____

3) $9 \times 11 =$ _____

12) $12 \times 9 =$ _____

4) $7 \times 12 =$ _____

13) $11 \times 11 =$ _____

5) $11 \times 11 =$ _____

14) $6 \times 12 =$ _____

6) $5 \times 12 =$ _____

15) $5 \times 11 =$ _____

7) $4 \times 11 =$ _____

16) $12 \times 12 =$ _____

8) $11 \times 11 =$ _____

17) $2 \times 12 =$ _____

NUMBER BANK

24	33	36	44	48
55	60	66	72	77
84	88	96	99	108
110	120	121	132	144



Multiplication Product Search



Name: ANSWERS

Date: _____

Solve each fact. Then find and circle the matching product in the number bank.

1) $11 \times 4 = \underline{44}$

2) $12 \times 8 = \underline{96}$

3) $9 \times 11 = \underline{99}$

4) $7 \times 12 = \underline{84}$

5) $11 \times 6 = \underline{66}$

6) $5 \times 12 = \underline{60}$

7) $12 \times 11 = \underline{132}$

8) $3 \times 11 = \underline{33}$

9) $10 \times 12 = \underline{120}$

10) $11 \times 8 = \underline{88}$

11) $12 \times 9 = \underline{108}$

12) $11 \times 11 = \underline{121}$

13) $6 \times 12 = \underline{72}$

14) $5 \times 11 = \underline{55}$

15) $12 \times 12 = \underline{144}$

16) $2 \times 12 = \underline{24}$

NUMBER BANK

24	33	36	44	48
55	60	66	72	77
84	88	96	99	108
110	120	121	132	144



11x and 12x Word Problems



Name: _____

Date: _____

Read each situation. Write a multiplication equation and solve it.

- 1) Each storage box holds 11 calculators. There are 7 full boxes. How many calculators are there?



Equation: _____

Answer: _____

- 2) Twelve students collected data cards in math investigations. How many data cards are collected?



Equation: _____

Answer: _____

- 3) The choir sings in 11 rows with 9 students in each row. How many students are in the choir?



Equation: _____

Answer: _____

- 4) A teacher opens 6 packets of 12 counters. How many counters are there altogether?



Equation: _____

Answer: _____

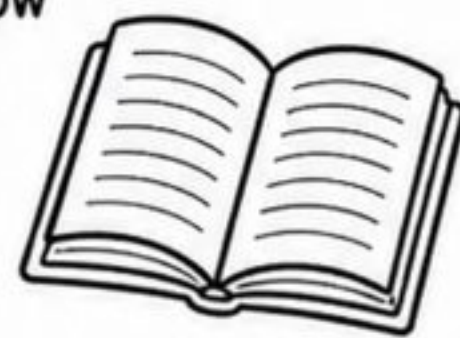
- 5) At sports day, 12 relay teams each have 11 students. How many students are in the relay teams?



Equation: _____

Answer: _____

- 6) Sam reads 12 pages each day for 10 days. How many pages does Sam read?



Equation: _____

Answer: _____





11x and 12x Word Problems



Name: ANSWERS

Date: _____

Read each situation. Write a multiplication equation and solve it.

- 1) Each storage box holds 11 calculators. There are 7 full boxes. How many calculators are there?



Equation: $7 \times 11 = 77$

Answer: 77 calculators

- 2) Twelve students each collect 8 data cards for their maths investigation. How many data cards are collected?



Equation: $12 \times 8 = 96$

Answer: 96 data cards

- 3) The choir sings in 11 groups with 9 students in each group. How many students are in the choir?



Equation: $11 \times 9 = 99$

Answer: 99 students

- 4) A teacher opens 6 packets of 12 counters. How many counters are there altogether?



Equation: $6 \times 12 = 72$

Answer: 72 counters

- 5) At sports day, 12 relay teams each have 11 students. How many students are in the relay teams?



Equation: $12 \times 11 = 132$

Answer: 132 students

- 6) Sam reads 12 pages each day for 10 days. How many pages does Sam read?



Equation: $12 \times 10 = 120$

Answer: 120 pages



Jungle Escape: 11x and 12x Trail



Roll, move, solve.
If your answer is correct, stay on the space.
If not, move back one space.
First to FINISH wins.

START

11×5

12×4

11×3

7×12

11×8

12×6

5×11

11×9

11×12

8×12

11×10

12×9

6×11

12×12

10×11

3×12

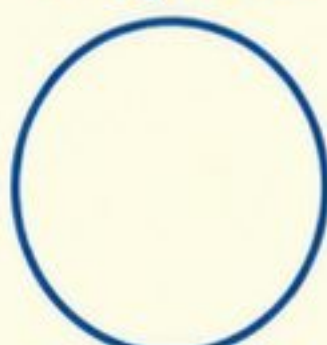
11×11

FINISH

Player 1



Player 2



You need:
dice, counters, and
a checking partner.



Strategy Match Cards



Cut out the cards. Match each fact to its product, then explain a strategy.

11×3

11×6

11×9

11×12

12×4

12×7

12×8

12×11

11×3

11×11

11×11

12×12

33

66

99

132

48

84

96

132

72

88

121

144



11x Times Tables Assessment

with 12x extension facts



Name: _____

Date: _____

A. Solve the facts

- | | | |
|--------------------------|---------------------------|----------------------------|
| 1) $11 \times 4 =$ _____ | 5) $9 \times 12 =$ _____ | 9) $11 \times$ _____ |
| 2) $8 \times 11 =$ _____ | 6) $11 \times 12 =$ _____ | 10) $12 \times 10 =$ _____ |
| 3) $11 \times$ _____ | 7) $11 \times$ _____ | 11) $5 \times 12 =$ _____ |
| 4) $12 \times 6 =$ _____ | 8) $12 \times 8 =$ _____ | 12) $6 \times 11 =$ _____ |

B. Find the missing factor

- | | |
|------------------------------|-------------------------------|
| 13) $11 \times$ _____ $= 99$ | 15) $12 \times$ _____ $= 132$ |
| 14) _____ $\times 12 = 72$ | 16) _____ $\times 11 = 121$ |

C. Use a multiplication equation

- 17) Each table holds 11 game cards. There are 6 tables.
How many cards are there?

Equation: _____ Answer: _____

- 18) There are 12 groups with 9 counters in each group.
How many counters are there?

Equation: _____ Answer: _____



Score: _____ / 18





11x Times Tables Assessment

with 12x extension facts



Name: ANSWERS

Date: _____

A. Solve the facts

1) $11 \times 4 = \underline{44}$

5) $7 \times 12 = \underline{84}$

9) $11 \times 11 = \underline{121}$

2) $8 \times 11 = \underline{88}$

6) $11 \times 10 = \underline{110}$

10) $12 \times 10 = \underline{120}$

3) $9 \times 11 = \underline{99}$

7) $5 \times 11 = \underline{55}$

11) $3 \times 12 = \underline{36}$

4) $12 \times 6 = \underline{72}$

8) $12 \times 8 = \underline{96}$

12) $6 \times 11 = \underline{66}$

B. Find the missing factor

13) $6 \times \underline{11} = 66$

15) $12 \times \underline{11} = 132$

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

16) $\underline{11} \times 11 = 121$

C. Use a multiplication equation

- 17) Each table holds 11 game cards. There are 6 tables.
How many cards are there?

Equation: $\underline{6 \times 11 = 66}$

Answer: $\underline{66 \text{ cards}}$

- 18) There are 12 groups with 9 counters in each group.
How many counters are there?

Equation: $\underline{12 \times 9 = 108}$

Answer: $\underline{108 \text{ counters}}$



Score: $\underline{18} / 18$





11x Time



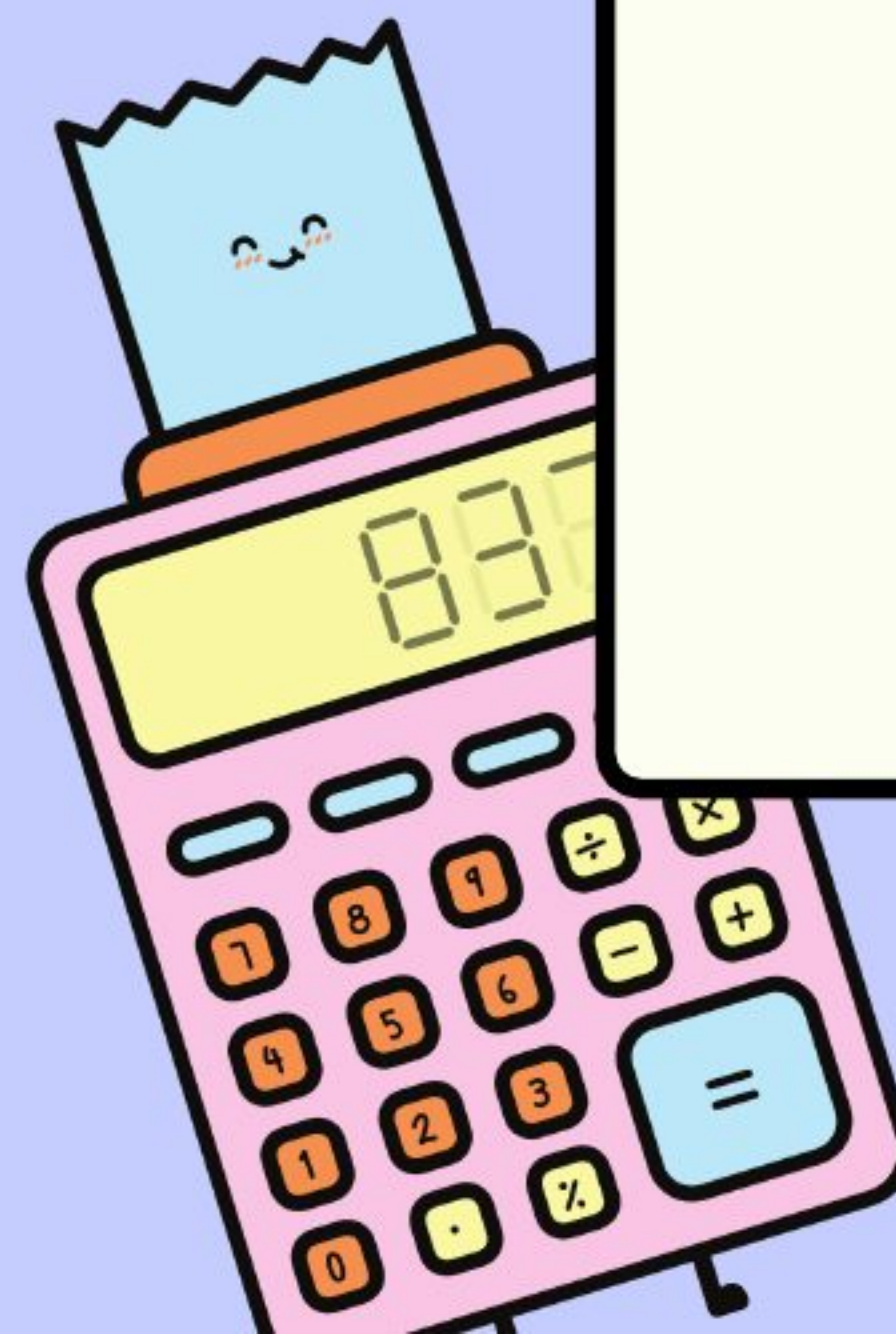
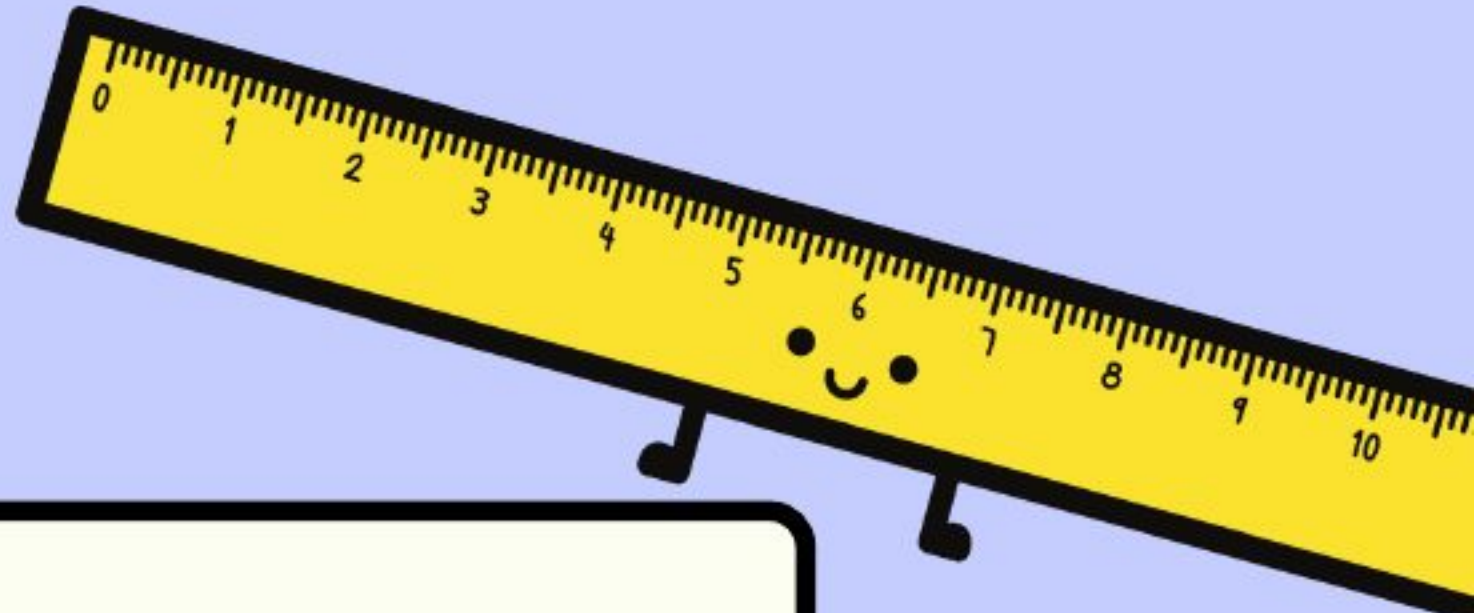
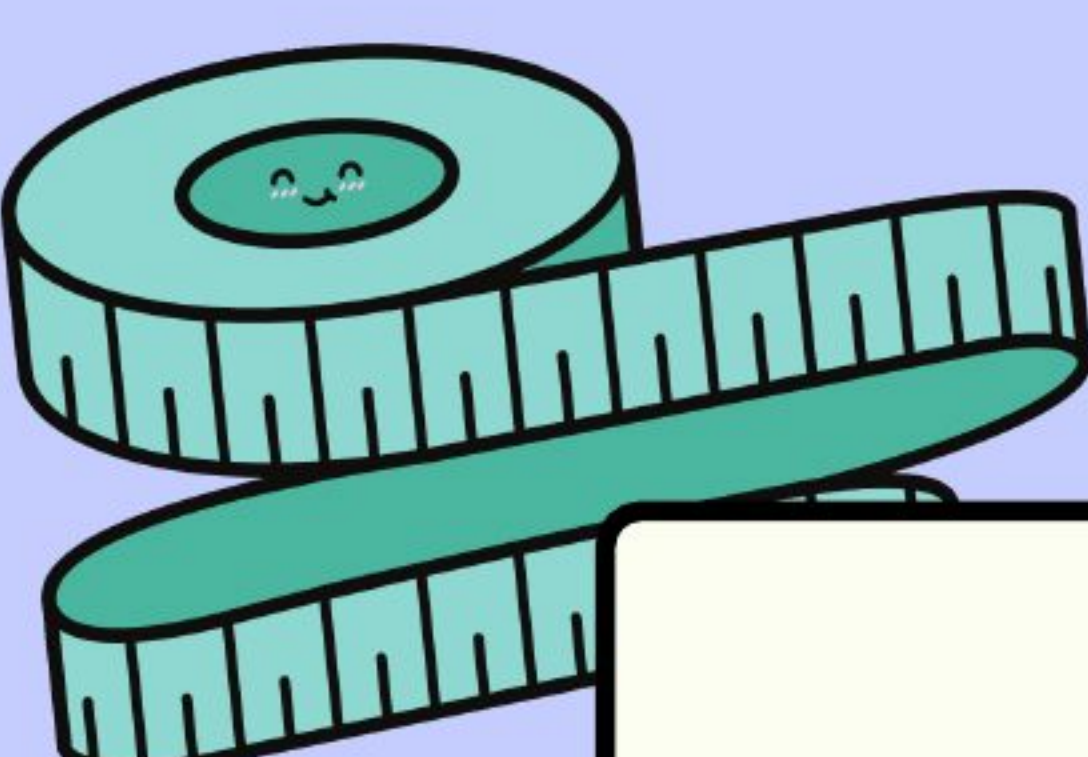
Tables Rubric

Criteria	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
11x fact recall	needs support	recalls some	recalls most	recalls accurately	recalls flexibly
Strategy use	needs prompt	uses one strategy	uses 10	chooses efficient strategies	explains strategies clearly
12x extension facts	needs support	solves some	solves	solves accurately	connects to 11x and 6x
Missing factors	guesses	uses support	finds most factors	finds factors accurately	checks using products
Word problems	needs help	chooses simple facts	writes equations	solves with	models and explains



Evidence: worksheets, activities, assessment, and teacher observation.

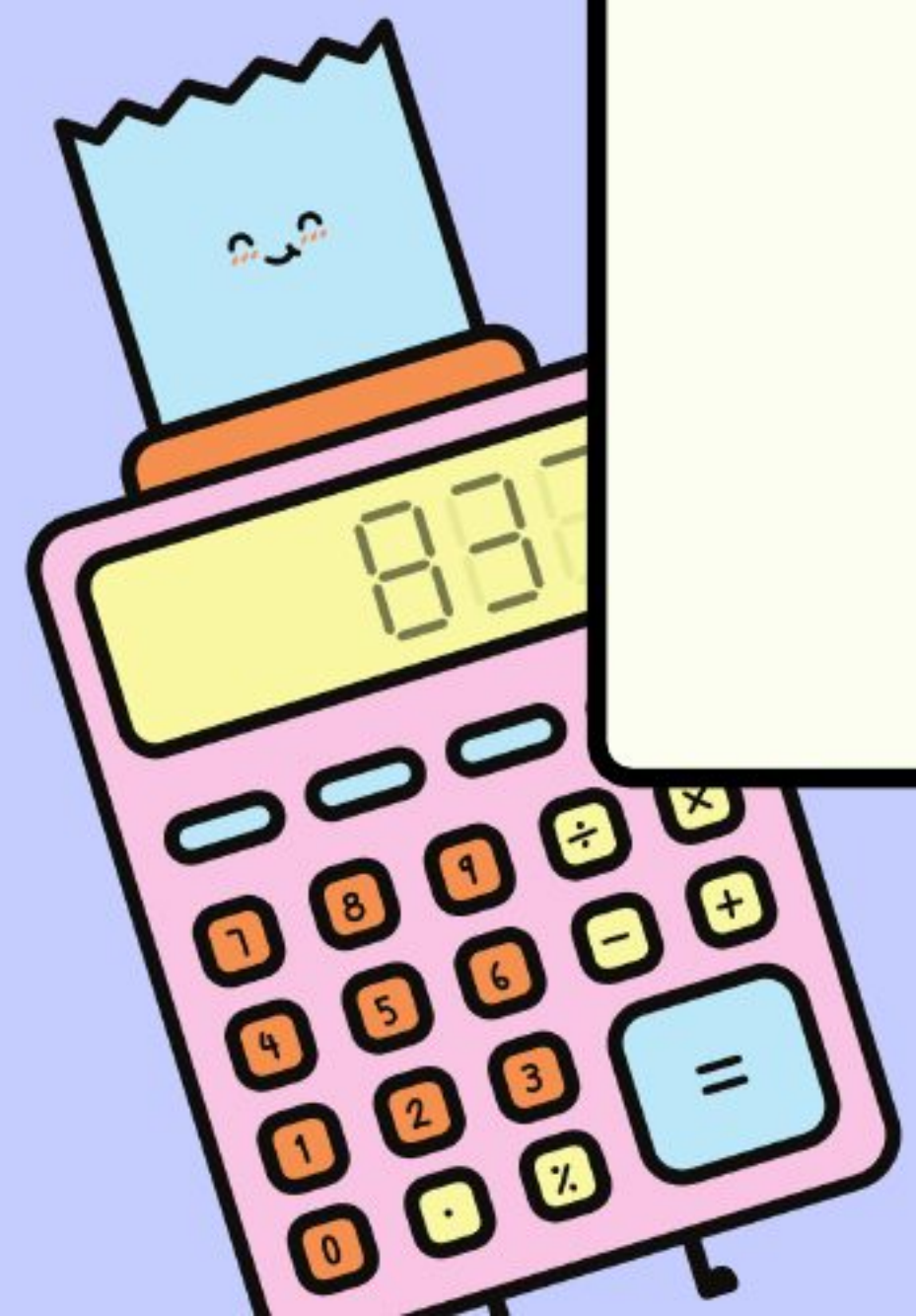
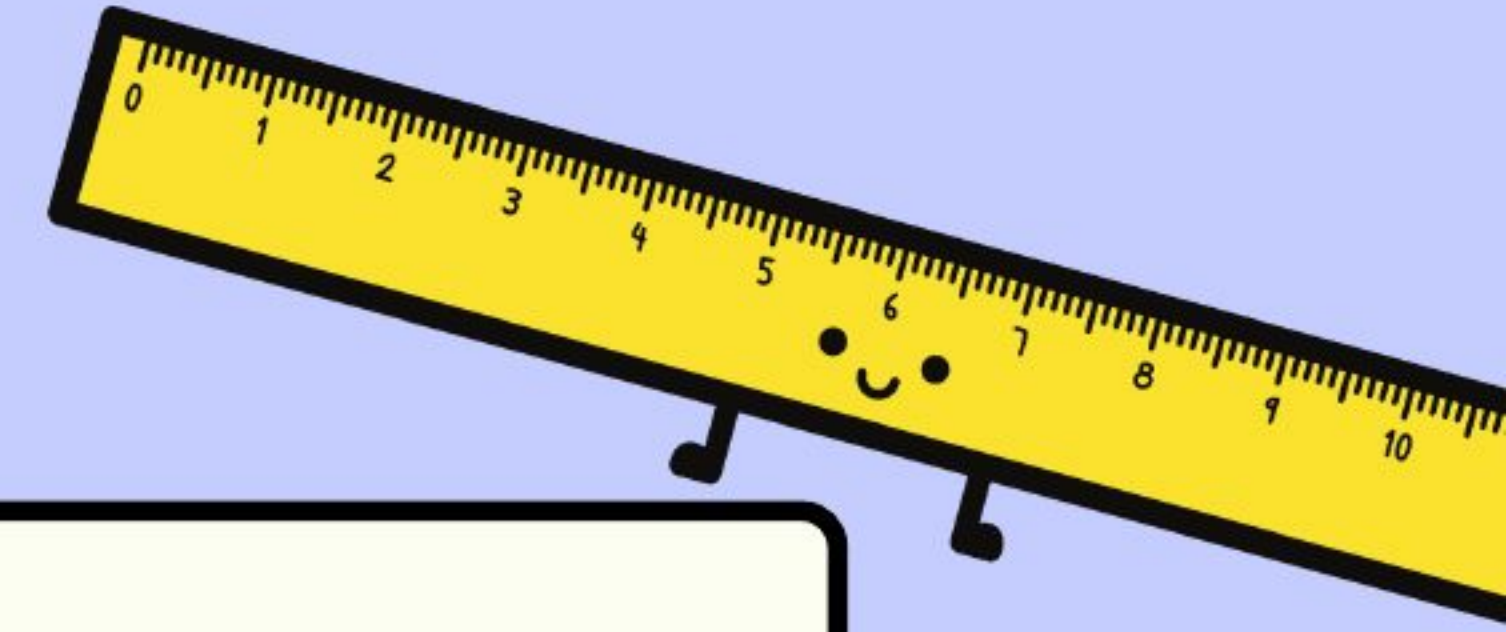
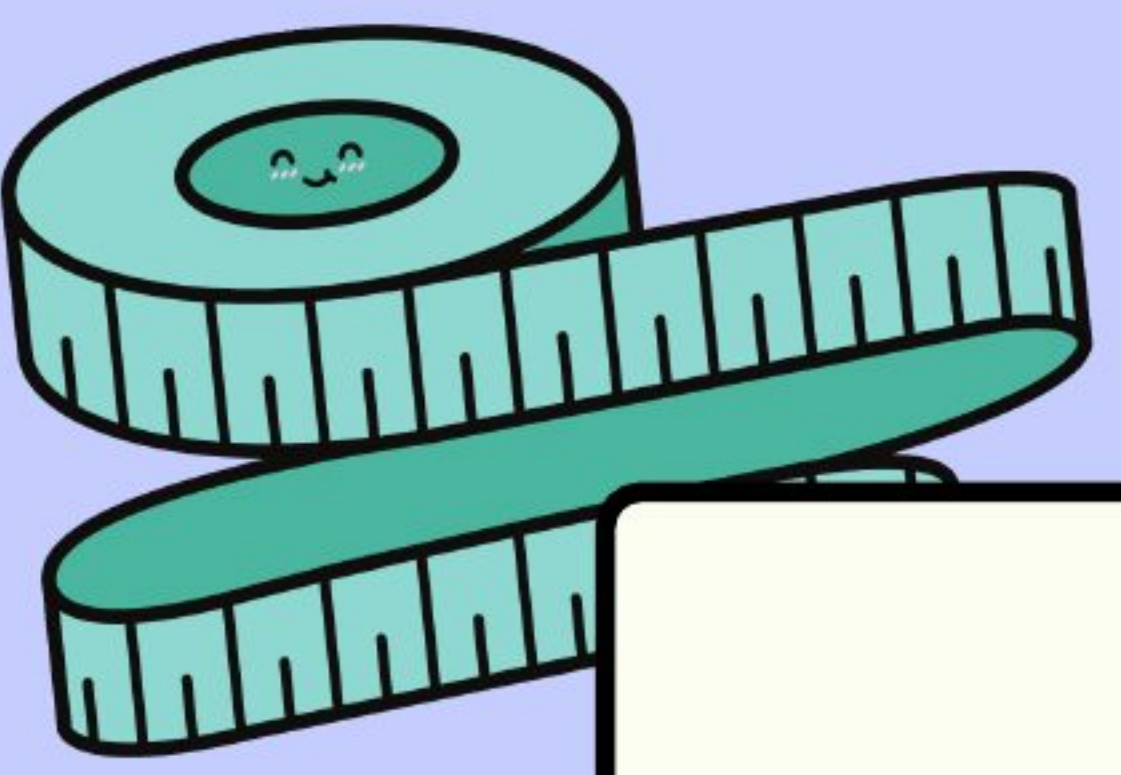




PREVIEW
PREVIEW
PREVIEW

1x Times Tables





PREVIEW

PREVIEW

PREVIEW

11 Times Tables Quiz

