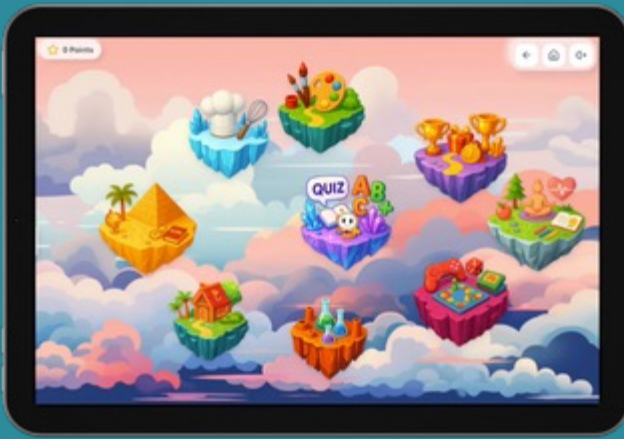


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Seven Times Tables – Year 4

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Terrific Sevens

7 x TABLE

$7 \times 1 =$	7
$7 \times 2 =$	14
$7 \times 3 =$	21
$7 \times 4 =$	28
$7 \times 5 =$	35
$7 \times 6 =$	42
$7 \times 7 =$	49
$7 \times 8 =$	56
$7 \times 9 =$	63
$7 \times 10 =$	70
$7 \times 11 =$	77
$7 \times 12 =$	84

TIMES BY 7

$1 \times 7 =$	7
$2 \times 7 =$	14
$3 \times 7 =$	21
$4 \times 7 =$	28
$5 \times 7 =$	35
$6 \times 7 =$	42
$7 \times 7 =$	49
$8 \times 7 =$	56
$9 \times 7 =$	63
$10 \times 7 =$	70
$11 \times 7 =$	77
$12 \times 7 =$	84

DIVISION BY 7

$7 \div 7 =$	1
$14 \div 7 =$	2
$21 \div 7 =$	3
$28 \div 7 =$	4
$35 \div 7 =$	5
$42 \div 7 =$	6
$49 \div 7 =$	7
$56 \div 7 =$	8
$63 \div 7 =$	9
$70 \div 7 =$	10
$77 \div 7 =$	11
$84 \div 7 =$	12

DIVIDE BY UP TO 12

$7 \div 1 =$	7
$14 \div 2 =$	7
$21 \div 3 =$	7
$28 \div 4 =$	7
$35 \div 5 =$	7
$42 \div 6 =$	7
$49 \div 7 =$	7
$56 \div 8 =$	7
$63 \div 9 =$	7
$70 \div 10 =$	7
$77 \div 11 =$	7
$84 \div 12 =$	7

review

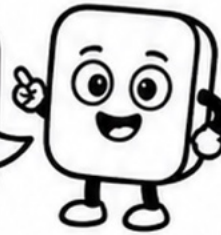
Name: _____



Seven Facts Toolkit



A mnemonic is a clever way to help you remember facts. Look for patterns and use what you already know!



Strategy Checklist

- ☆ Double-and-add ☐
- ☆ Known facts ☐
- ☆ Turnarounds ☐
- ☆ Fact families ☐
- ☆ Patterns ☐

7 x Table

①	$7 \times 1 =$	7
②	$7 \times 2 =$	14
③	$7 \times 3 =$	21
④	$7 \times 4 =$	28
⑤	$7 \times 5 =$	35
⑥	$7 \times 6 =$	42
⑦	$7 \times 7 =$	49
⑧	$7 \times 8 =$	56
⑨	$7 \times 9 =$	63
⑩	$7 \times 10 =$	70
⑪	$7 \times 11 =$	77
⑫	$7 \times 12 =$	84

Turnarounds

①	$1 \times 7 =$	7
②	$2 \times 7 =$	14
③	$3 \times 7 =$	21
④	$4 \times 7 =$	28
⑤	$5 \times 7 =$	35
⑥	$6 \times 7 =$	42
⑦	$7 \times 7 =$	49
⑧	$8 \times 7 =$	56
⑨	$9 \times 7 =$	63
⑩	$10 \times 7 =$	70
⑪	$11 \times 7 =$	77
⑫	$12 \times 7 =$	84

Divide by 7

①	$7 \div 7 =$	1
②	$14 \div 7 =$	2
③	$21 \div 7 =$	3
④	$28 \div 7 =$	4
⑤	$35 \div 7 =$	5
⑥	$42 \div 7 =$	6
⑦	$49 \div 7 =$	7
⑧	$56 \div 7 =$	8
⑨	$63 \div 7 =$	9
⑩	$70 \div 7 =$	10
⑪	$77 \div 7 =$	11
⑫	$84 \div 7 =$	12

Divide into 7 Groups

①	$7 \div 1 =$	7
②	$14 \div 2 =$	7
③	$21 \div 3 =$	7
④	$28 \div 4 =$	7
⑤	$35 \div 5 =$	7
⑥	$42 \div 6 =$	7
⑦	$49 \div 7 =$	7
⑧	$56 \div 8 =$	7
⑨	$63 \div 9 =$	7
⑩	$70 \div 10 =$	7
⑪	$77 \div 11 =$	7
⑫	$84 \div 12 =$	7



Name: _____

Seven Times Thinking Mat

★ Choose one 7x fact, then show it in each section. ★

Number sentence 

Skip-counting path 

Array drawing 

Fact family 

Word problem 

Equal groups 

Answer Key

Seven Times Thinking Mat

★ Choose one 7x fact, then show it in each section. ★

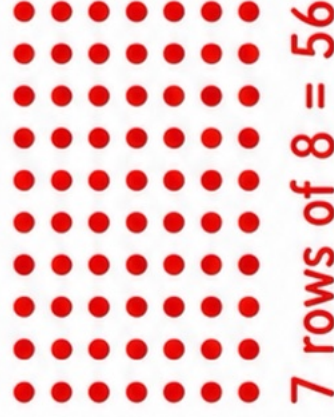
Number sentence 

$$7 \times 8 = 56$$
$$56 \div 7 = 8$$

Skip-counting path 

7, 14, 21, 28, 35, 42, 49, 56

Array drawing 



Fact family 

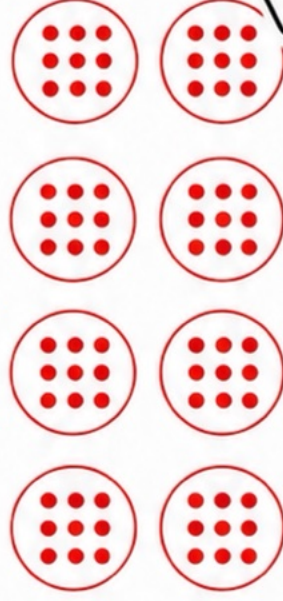
$$7 \times 8 = 56$$
$$8 \times 7 = 56$$
$$56 \div 7 = 8$$
$$56 \div 8 = 7$$

Word problem 

8 teams have
7 players each.
 $8 \times 7 = 56$ players.

Equal groups 

8 groups of 7



Name: _____

FLIP FACTS SEVENS

Solve each fact. Cut on dotted lines and fold on dashed lines to hide the answers.

1. $7 \times 1 =$ _____

Fold over to cover answer

2. $7 \times 2 =$ _____

Fold over to cover answer

3. $7 \times 3 =$ _____

Fold over to cover answer

4. $7 \times 4 =$ _____

Fold over to cover answer

5. $7 \times 5 =$ _____

Fold over to cover answer

6. $7 \times 6 =$ _____

Fold over to cover answer

7. $7 \times 7 =$ _____

Fold over to cover answer

8. $7 \times 8 =$ _____

Fold over to cover answer

9. $7 \times 9 =$ _____

Fold over to cover answer

10. $7 \times 10 =$ _____

Fold over to cover answer



Answer Key

7

FLIP FACTS SEVENS

Solve each fact. Cut on dotted lines and fold on dashed lines to hide the answers.

1. $7 \times 1 = 7$
2. $7 \times 2 = 14$
3. $7 \times 3 = 21$
4. $7 \times 4 = 28$
5. $7 \times 5 = 35$
6. $7 \times 6 = 42$
7. $7 \times 7 = 49$
8. $7 \times 8 = 56$
9. $7 \times 9 = 63$
10. $7 \times 10 = 70$

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Fold over to cover answer

Name: _____

SOLVING THE SEVENS

7



Complete each activity to practise your 7x facts.



1

Sevens Wheel

Write the product of 7 and each number.



2

Fact Ladder

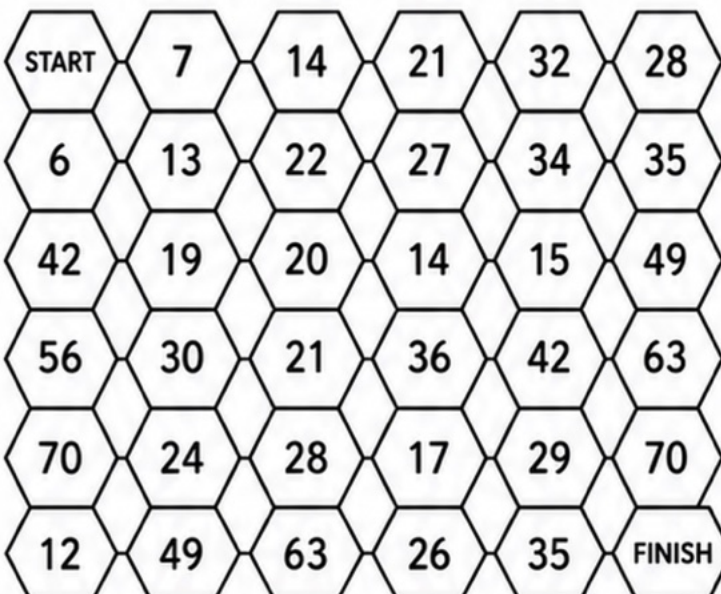
Write the answer to each fact.

①	$7 \times 1 =$	
②	$7 \times 2 =$	
③	$7 \times 3 =$	
④	$7 \times 4 =$	
⑤	$7 \times 5 =$	
⑥	$7 \times 6 =$	
⑦	$7 \times 7 =$	
⑧	$7 \times 8 =$	
⑨	$7 \times 9 =$	
⑩	$7 \times 10 =$	

3

Product Path

Colour a path from START to FINISH using only the products of the 7 times table.



4

Quick Checks

Solve each equation.

①	$3 \times 7 =$	_____
②	$7 \times 6 =$	_____
③	$9 \times 7 =$	_____
④	$7 \times 4 =$	_____
⑤	$10 \times 7 =$	_____

Name: **Answer Key**

SOLVING THE SEVENS 7

☆ Complete each activity to practise your 7x facts. ☆

1 Sevens Wheel

Write the product of 7 and each number.



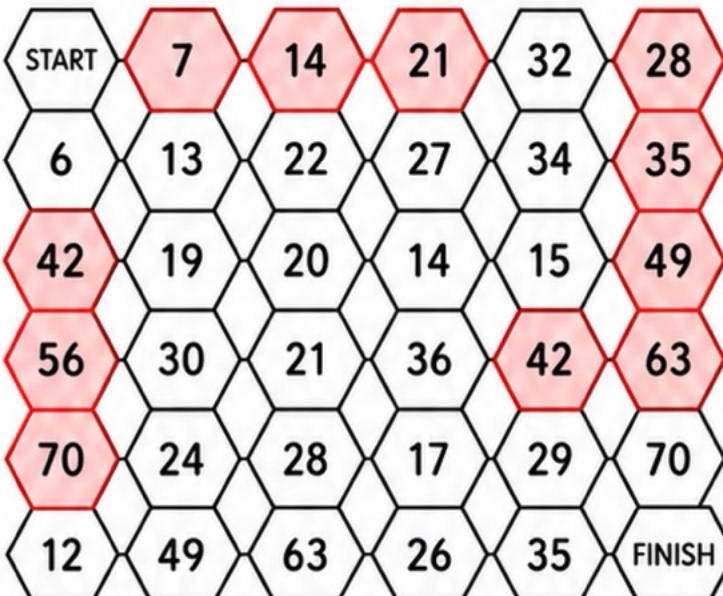
2 Fact Ladder

Write the answer to each fact.

①	$7 \times 1 =$	7
②	$7 \times 2 =$	14
③	$7 \times 3 =$	21
④	$7 \times 4 =$	28
⑤	$7 \times 5 =$	35
⑥	$7 \times 6 =$	42
⑦	$7 \times 7 =$	49
⑧	$7 \times 8 =$	56
⑨	$7 \times 9 =$	63
⑩	$7 \times 10 =$	70

3 Product Path

Colour a path from START to FINISH using only the products of the 7 times table.



4 Quick Checks

Solve each equation.

- | | | |
|---|-----------------|----|
| ① | $3 \times 7 =$ | 21 |
| ② | $7 \times 6 =$ | 42 |
| ③ | $9 \times 7 =$ | 63 |
| ④ | $7 \times 4 =$ | 28 |
| ⑤ | $10 \times 7 =$ | 70 |

Name: _____

7

Roll, Race and Solve: Sevens

Roll a die. Find that column. Solve the next fact in the column.
Keep going until one column reaches the top.

$7 \times 5 =$	$7 \times 3 =$	$7 \times 4 =$	$7 \times 8 =$	$7 \times 7 =$	$7 \times 9 =$
$7 \times 7 =$	$7 \times 10 =$	$7 \times 9 =$	$7 \times 10 =$	$7 \times 4 =$	$7 \times 3 =$
$7 \times =$	$7 \times =$	$7 \times =$	$7 \times =$	$7 \times 3 =$	$7 \times 9 =$
$7 \times 9 =$	$7 \times 12 =$	$7 \times 5 =$	$7 \times 4 =$	$7 \times 2 =$	$7 \times 8 =$
$7 \times 10 =$	$7 \times 8 =$	$7 \times 6 =$	$7 \times 3 =$	$7 \times 10 =$	$7 \times 7 =$
					

Name: _____ **Answer Key** _____

Roll, Race and Solve: Sevens

Roll a die. Find that column. Solve the next fact in the column.
Keep going until one column reaches the top.

$7 \times 5 =$ 35	$7 \times 3 =$ 21	$7 \times 4 =$ 28	$7 \times 8 =$ 56	$7 \times 7 =$ 49	$7 \times 9 =$ 63
$7 \times 7 =$ 49	$7 \times 10 =$ 70	$7 \times 9 =$ 63	$7 \times 10 =$ 70	$7 \times 4 =$ 28	$7 \times 3 =$ 21
$7 \times =$ 14	$7 \times =$ 42	$7 \times 0 =$ 0	$7 \times =$ 63	$7 \times 3 =$ 21	$7 \times 9 =$ 63
$7 \times 9 =$ 63	$7 \times 12 =$ 84	$7 \times 5 =$ 35	$7 \times 4 =$ 28	$7 \times 2 =$ 14	$7 \times 8 =$ 56
$7 \times 10 =$ 70	$7 \times 8 =$ 56	$7 \times 6 =$ 42	$7 \times 3 =$ 21	$7 \times 10 =$ 70	$7 \times 7 =$ 49
					



Name: _____



Roll, Climb and Solve: 7x Challenge



Roll a die. Solve the next fact in that column.
First column to the top wins.



$7 \times 8 =$	$7 \times 9 =$	$7 \times 4 =$	$7 \times 0 =$	$7 \times 7 =$	$7 \times 11 =$
$7 \times 7 =$	$7 \times 10 =$	$7 \times 9 =$	$7 \times 10 =$	$7 \times 4 =$	$7 \times 12 =$
$7 \times 6 =$	$7 \times 11 =$	$7 \times 0 =$	$7 \times 12 =$	$7 \times 3 =$	$7 \times 7 =$
$7 \times 5 =$	$7 \times 12 =$	$7 \times 5 =$	$7 \times 4 =$	$7 \times 2 =$	$7 \times 2 =$
$7 \times 10 =$	$7 \times 8 =$	$7 \times 12 =$	$7 \times 3 =$	$7 \times 10 =$	$7 \times 9 =$
$7 \times 12 =$	$7 \times 11 =$	$7 \times 8 =$	$7 \times 7 =$	$7 \times 9 =$	$7 \times 4 =$
					





Name: Answer Key



Roll, Climb and Solve: 7x Challenge



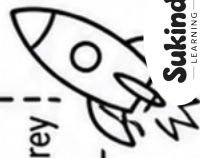
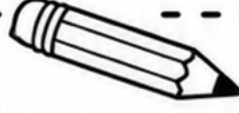
Roll a die. Solve the next fact in that column.
First column to the top wins.



$7 \times 8 =$ 56	$7 \times 9 =$ 63	$7 \times 4 =$ 28	$7 \times 0 =$ 0	$7 \times 7 =$ 49	$7 \times 11 =$ 77
$7 \times 7 =$ 49	$7 \times 10 =$ 70	$7 \times 9 =$ 63	$7 \times 10 =$ 70	$7 \times 4 =$ 28	$7 \times 12 =$ 84
$7 \times 1 =$ 7	$7 \times 6 =$ 42	$7 \times 0 =$ 0	$7 \times 12 =$ 84	$7 \times 3 =$ 21	$7 \times 7 =$ 49
$7 \times 5 =$ 35	$7 \times 12 =$ 84	$7 \times 5 =$ 35	$7 \times 4 =$ 28	$7 \times 2 =$ 14	$7 \times 2 =$ 14
$7 \times 10 =$ 70	$7 \times 8 =$ 56	$7 \times 12 =$ 84	$7 \times 3 =$ 21	$7 \times 10 =$ 70	$7 \times 9 =$ 63
$7 \times 12 =$ 84	$7 \times 11 =$ 77	$7 \times 8 =$ 56	$7 \times 7 =$ 49	$7 \times 9 =$ 63	$7 \times 4 =$ 28
					



Name: _____



Sukindi
— LEARNING —

 7 = red 14 = orange

01 = yellow

 28 = green

 35 = blue

 42 = purple

 49 = pink

56 = navy

 63 = lime 70 = grey

Answer Key



 70 = grey



Name: _____

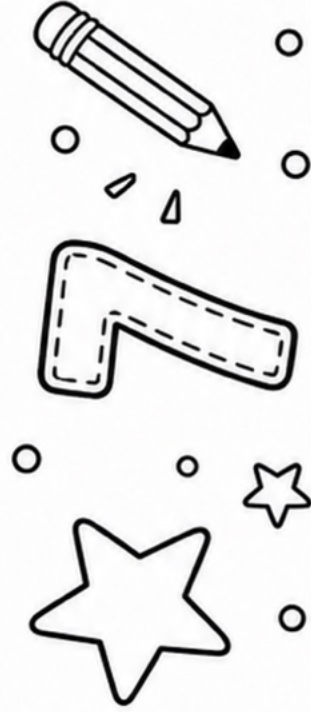


Sevens Chatterbox

Cut around the square.

Fold to make a chatterbox.

Ask a partner to
solve the 7x facts.



Preview

6×9

63

7×2

7×7

7×2

49

21

7×6

7×3

56

7×5

42

7×5

35

28

7×4

Name: _____

7

7

FLIP FACTS: DIVIDE BY 7

Solve each division fact. Cut on dotted lines and fold on dashed lines to hide the answers.

1. $7 \div 7 =$ _____

Fold over to cover answer

2. $14 \div 7 =$ _____

Fold over to cover answer

3. $21 \div 7 =$ _____

Fold over to cover answer

4. $28 \div 7 =$ _____

Fold over to cover answer

5. $35 \div 7 =$ _____

Fold over to cover answer

6. $42 \div 7 =$ _____

Fold over to cover answer

7. $49 \div 7 =$ _____

Fold over to cover answer

8. $56 \div 7 =$ _____

Fold over to cover answer

9. $63 \div 7 =$ _____

Fold over to cover answer

10. $70 \div 7 =$ _____

Fold over to cover answer



Name: _____

Answer Key

7

FLIP FACTS: DIVIDE BY 7

7

Solve each division fact. Cut on dotted lines and fold on dashed lines to hide the answers.

1. $7 \div 7 =$ _____

Fold over to cover answer

2. $14 \div 7 =$ _____

Fold over to cover answer

3. $21 \div 7 =$ _____

Fold over to cover answer

4. $28 \div 7 =$ _____

Fold over to cover answer

5. $35 \div 7 =$ _____

Fold over to cover answer

6. $42 \div 7 =$ _____

Fold over to cover answer

7. $49 \div 7 =$ _____

Fold over to cover answer

8. $56 \div 7 =$ _____

Fold over to cover answer

9. $63 \div 7 =$ _____

Fold over to cover answer

10. $70 \div 7 =$ _____

Fold over to cover answer



10

Name: _____

Roll, Race and Divide by 7



Roll a die. Solve the next division fact in that column.
First column to the top wins.



$56 \div 7 =$	$63 \div 7 =$	$28 \div 7 =$	$7 \div 7 =$	$49 \div 7 =$	$77 \div 7 =$
$49 \div 7 =$	$70 \div 7 =$	$63 \div 7 =$	$70 \div 7 =$	$28 \div 7 =$	$84 \div 7 =$
$14 \div 7 =$	$42 \div 7 =$	$7 \div 7 =$	$84 \div 7 =$	$21 \div 7 =$	$49 \div 7 =$
$35 \div 7 =$	$84 \div 7 =$	$35 \div 7 =$	$28 \div 7 =$	$14 \div 7 =$	$14 \div 7 =$
$70 \div 7 =$	$56 \div 7 =$	$84 \div 7 =$	$21 \div 7 =$	$70 \div 7 =$	$63 \div 7 =$
$84 \div 7 =$	$77 \div 7 =$	$56 \div 7 =$	$49 \div 7 =$	$63 \div 7 =$	$28 \div 7 =$
					

Preview

Name: Answer Key

Roll, Race and Divide by 7



Roll a die. Solve the next division fact in that column.
First column to the top wins.



$56 \div 7 = \underline{8}$	$63 \div 7 = \underline{9}$	$28 \div 7 = \underline{4}$	$7 \div 7 = \underline{1}$	$49 \div 7 = \underline{7}$	$77 \div 7 = \underline{11}$
$49 \div 7 = \underline{7}$	$70 \div 7 = \underline{10}$	$63 \div 7 = \underline{9}$	$70 \div 7 = \underline{10}$	$28 \div 7 = \underline{4}$	$84 \div 7 = \underline{12}$
$14 \div 7 = \underline{2}$	$42 \div 7 = \underline{6}$	$7 \div 7 = \underline{1}$	$84 \div 7 = \underline{12}$	$21 \div 7 = \underline{3}$	$49 \div 7 = \underline{7}$
$35 \div 7 = \underline{5}$	$84 \div 7 = \underline{12}$	$35 \div 7 = \underline{5}$	$28 \div 7 = \underline{4}$	$14 \div 7 = \underline{2}$	$14 \div 7 = \underline{2}$
$70 \div 7 = \underline{10}$	$56 \div 7 = \underline{8}$	$84 \div 7 = \underline{12}$	$21 \div 7 = \underline{3}$	$70 \div 7 = \underline{10}$	$63 \div 7 = \underline{9}$
$84 \div 7 = \underline{12}$	$77 \div 7 = \underline{11}$	$56 \div 7 = \underline{8}$	$49 \div 7 = \underline{7}$	$63 \div 7 = \underline{9}$	$28 \div 7 = \underline{4}$

Preview

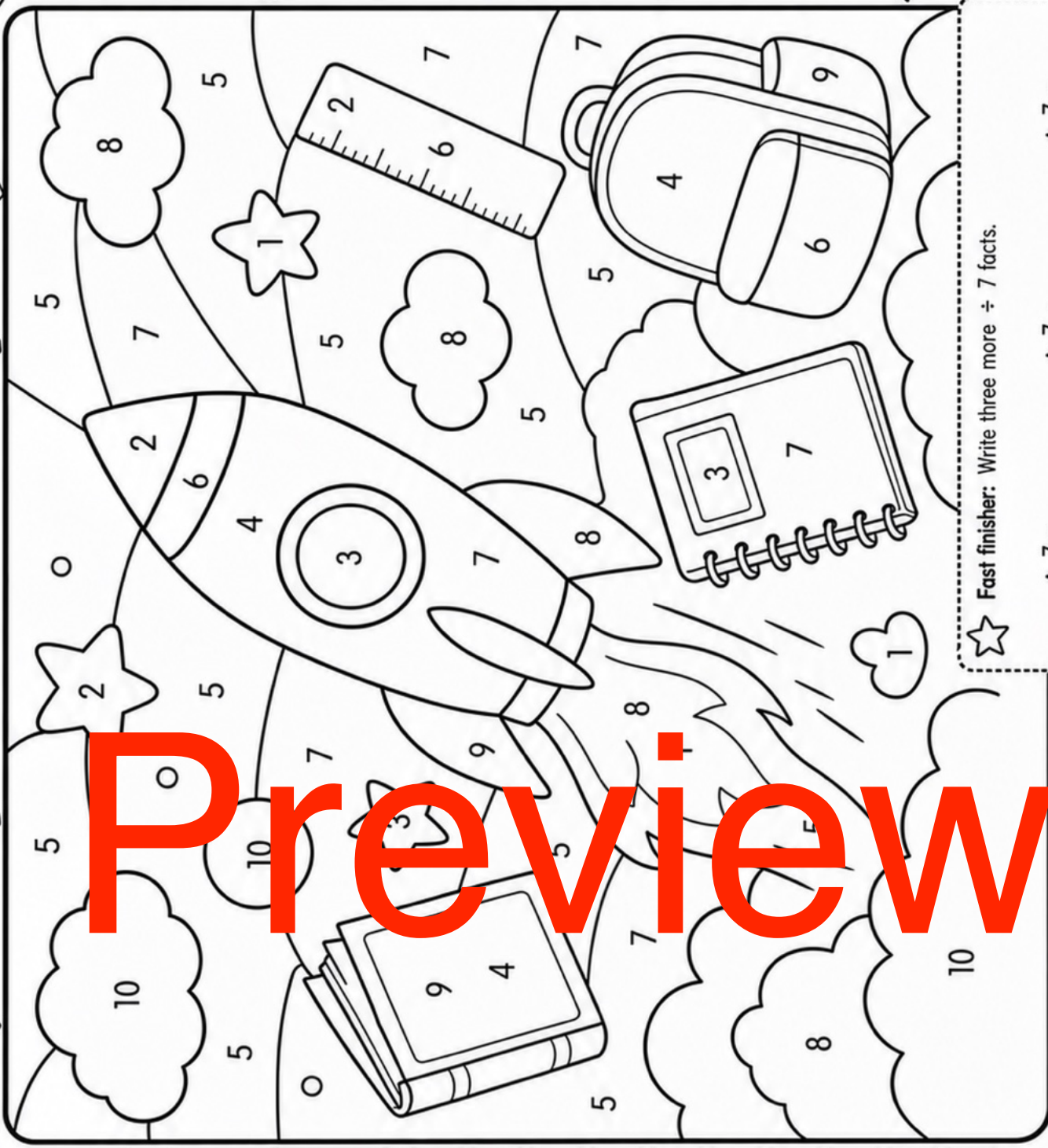
Name: _____

COLOUR QUEST! DIVIDE BY 7



Instructions: Solve each division fact.
Colour the picture using the
matching answer key.

1	$7 \div 7 =$	red
2	$14 \div 7 =$	orange
3	$21 \div 7 =$	yellow
4	$28 \div 7 =$	green
5	$35 \div 7 =$	blue
6	$42 \div 7 =$	purple
7	$49 \div 7 =$	pink
8	$56 \div 7 =$	lime
9	$63 \div 7 =$	navy
10	$70 \div 7 =$	teal



★ **Fast finisher:** Write three more $\div 7$ facts.

____ $\div 7 =$ ____ $\div 7 =$ ____ $\div 7 =$ ____



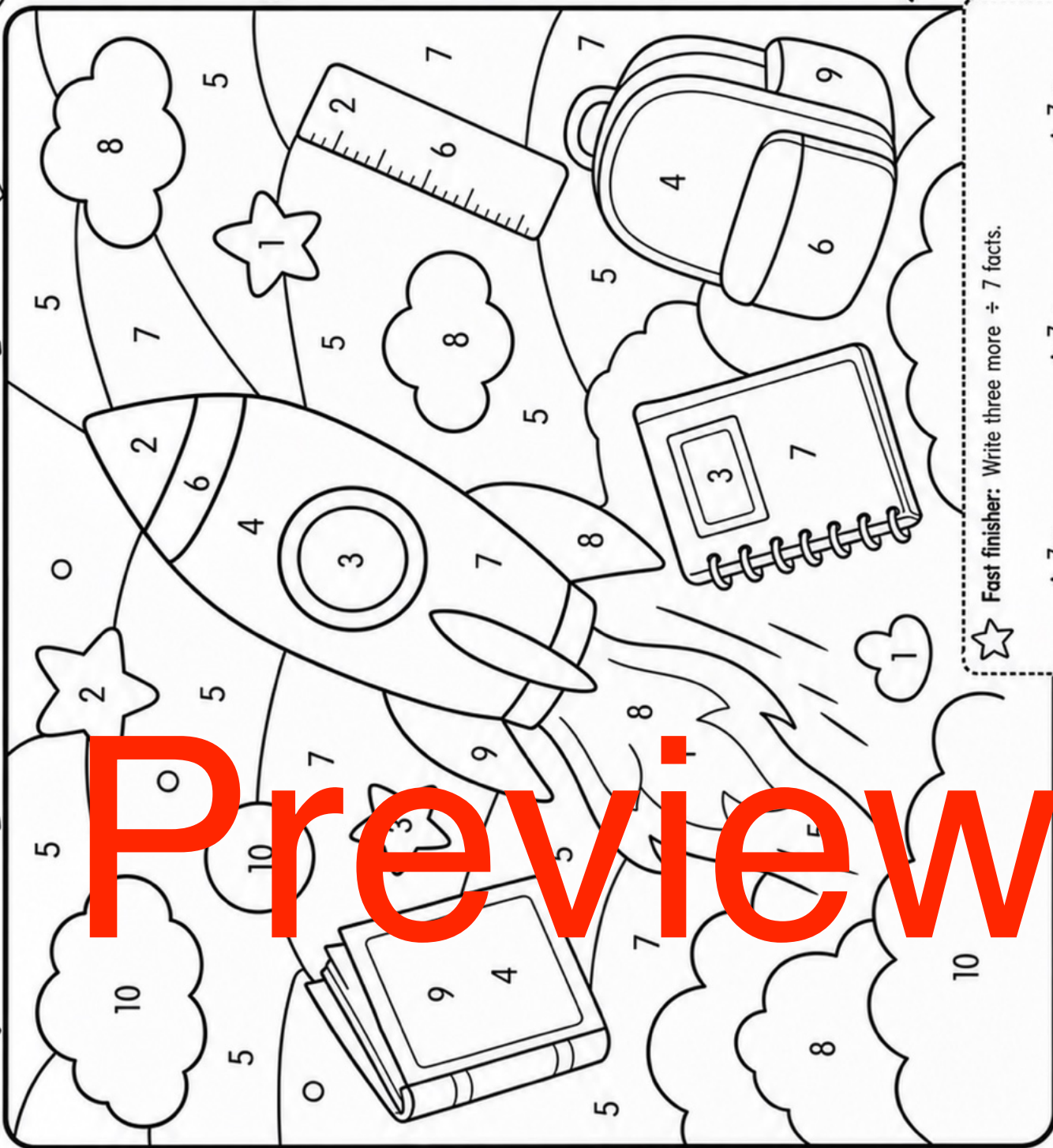
Name: **Answer Key**

COLOUR QUEST! DIVIDE BY 7



Instructions: Solve each division fact.
Colour the picture using the
matching answer key.

1	$7 \div 7 =$	1	red
2	$14 \div 7 =$	2	orange
3	$21 \div 7 =$	3	yellow
4	$28 \div 7 =$	4	green
5	$35 \div 7 =$	5	blue
6	$42 \div 7 =$	6	purple
7	$49 \div 7 =$	7	pink
8	$56 \div 7 =$	8	lime
9	$63 \div 7 =$	9	navy
10	$70 \div 7 =$	10	teal



★ Fast finisher: Write three more $\div 7$ facts.

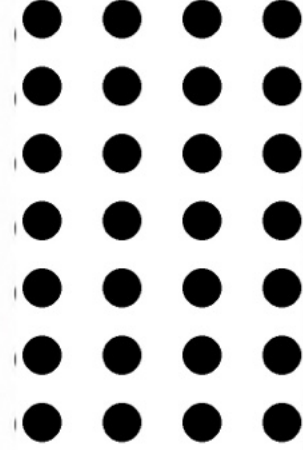
$\div 7 =$ 77 $\div 7 =$ 11 $\div 7 =$ 84 $\div 7 =$ 12 $\div 7 =$ 91 $\div 7 =$ 13

SEVENS CHECK-IN

Name: _____

/25

1. Array and Fact Family /5



$$7 \times 4 = \square$$

$$4 \times 7 = \square$$

$$28 \div 7 = \square$$

$$28 \div 4 = \square$$

How does the array help? _____

2. Multiplication Facts /8

$$7 \times 3 = \square \quad 7 \times 8 = \square$$

$$6 \times 7 = \square \quad 7 \times 12 = \square$$

$$9 \times 7 = \square \quad 7 \times 5 = \square$$

$$11 \times 7 = \square \quad 7 \times 10 = \square$$

3. Division Facts /8

$$21 \div 7 = \square \quad 56 \div 7 = \square$$

$$42 \div 7 = \square \quad 84 \div 7 = \square$$

$$35 \div 7 = \square \quad 77 \div 7 = \square$$

$$63 \div 7 = \square \quad 70 \div 7 = \square$$

4. Word Problems /4

1. There are 7 bags with 6 counters in each bag.

How many counters are there altogether?

2. A class has 49 counters shared equally into 7 groups.

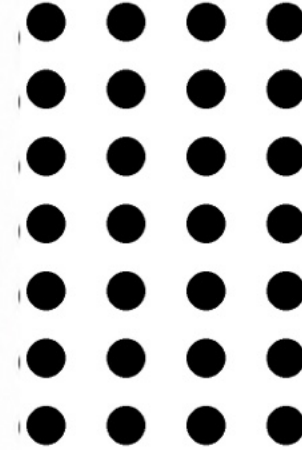
How many counters are in each group?

Name: Answer Key

/25

SEVENS CHECK-IN

1. Array and Fact Family /5



$$7 \times 4 = 28$$
$$4 \times 7 = 28$$
$$28 \div 7 = 4$$
$$28 \div 4 = 7$$

How does the array help?

Shows 4 groups of 7 make 28.

2. Multiplication Facts /8

$$7 \times 3 = 21$$
$$7 \times 8 = 56$$
$$6 \times 7 = 42$$
$$7 \times 12 = 84$$
$$9 \times 7 = 63$$
$$7 \times 5 = 35$$
$$11 \times 7 = 77$$
$$7 \times 10 = 70$$

3. Division Facts /8

$$21 \div 7 = 3$$
$$56 \div 7 = 8$$
$$42 \div 7 = 6$$
$$84 \div 7 = 12$$
$$35 \div 7 = 5$$
$$77 \div 7 = 11$$
$$63 \div 7 = 9$$
$$70 \div 7 = 10$$

4. Word Problems /4

1. There are 7 bags with 6 counters in each bag.

How many counters are there altogether?

42

2. A class has 49 counters shared equally into 7 groups.

How many counters are in each group?

7

How to Play

- 1 Spin the spinner.
- 2 Write the matching 7x fact in the blank above the product.
- 3 Colour the box.
- 4 Keep going! Create a continuous path to reach the treasure.



Trail of Sevens

Spin a 7x fact, find the product, write the equation and colour your path to the treasure!

28	63	7	42	21	70	14	56
49	14	35	77	21	63	28	42
7	56	70	35	84	49	14	77
63	21	42	28	56	7	70	49
77	35	14	63	21	84	42	7
56	70	49	77	14	63	28	42



Catch the Critters 7x

★ YOU NEED:

A pencil or coloured pencil for each player and a paper clip and spinner.

★ HOW TO PLAY:

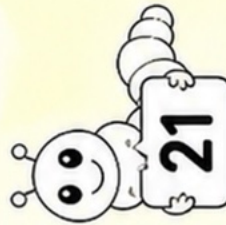
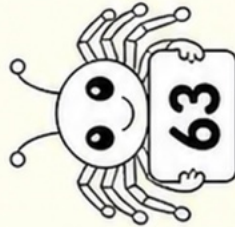
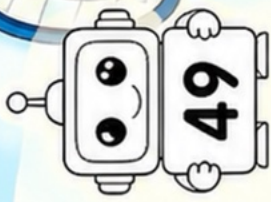
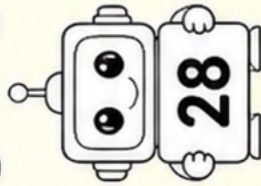
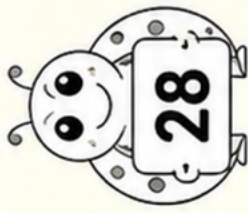
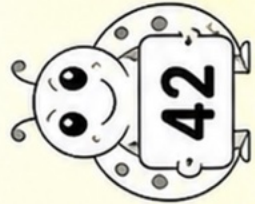
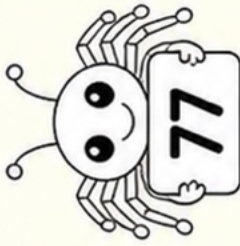
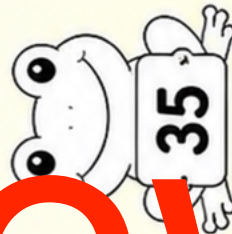
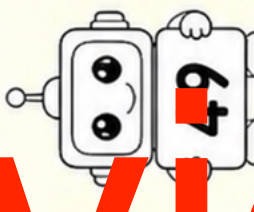
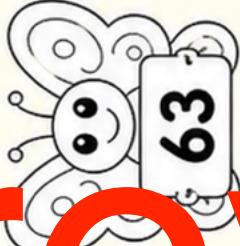
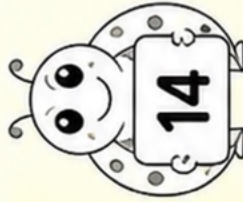
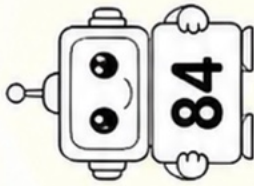
- 1 Spin the spinner.
- 2 Find the critter holding the matching product.
- 3 Colour or trace around it to claim it!
- 4 The first player to claim 5 critters wins!

★ MODIFICATION:

Play for a set time (e.g. 10 minutes). The player with the most critters at the end wins.

★ EXTENSION:

Continue until all the critters have been claimed! Try to beat your high score!





- 7
- 14
- 21
- 28
- 35
- 42
- 49
- 56
- 63
- 70



Four in a Row 7x



Roll, move, match and write! First to get four in a row wins!

How to Play

- 1. Roll a die and move your playing piece that many spaces around the board.
- 2. Write the product on the space in the matching equation in the grid.
- 3. Take turns with the other player.
- 4. The first player to get four of their numbers in a row (horizontally, vertically or diagonally) wins!



7×7	7×2	7×11	7×4	7×9	7×0
7×5	7×12	7×3	7×8	7×1	7×6
7×10	7×4	7×7	7×0	7×9	7×2
7×8	7×1	7×12	7×6	7×3	7×11
7×2	7×11	7×5	7×1	7×7	7×4
7×0	7×6	7×10	7×3	7×8	7×12

- 84
- 77
- 70
- 63
- 56
- 49



- 42
- 35
- 28
- 21
- 14
- 7
- 0
- 84
- 63



Search the Sevens

Spin a 7x fact, find the matching product and write the equation. After writing three equations in a shape, colour it in!

HOW TO PLAY

- 1 Spin the spinner.
- 2 Find the shape with the matching product.
- 3 Write the matching 7x equation in one of the three lines.
- 4 After you have written three equations in the shape, colour it in.

**7**

x _ =
x _ =
x _ =

14

x _ =
x _ =
x _ =

21

x _ =
x _ =
x _ =

28

x _ =
x _ =
x _ =

35

x _ =
x _ =
x _ =

42

x _ =
x _ =
x _ =

49

x _ =
x _ =
x _ =

56

x _ =
x _ =
x _ =

70

x _ =
x _ =
x _ =

77

x _ =
x _ =
x _ =

84

x _ =
x _ =
x _ =

Happy Learning!

7x Times Preview Tables



Learning Intention

Preview

Today we are learning strategies to recall **seven times table** facts and use them to solve related **division** facts.



Success Criteria

- I can count forwards and backwards in sevens.
- I can use known facts and turnarounds to solve $7\times$ facts.
- I can use multiplication facts to solve division facts.



Why Sevens Can Feel Tricky

Seven is a **prime number** so its multiples do not make an easy pattern like the 2s, 5s or 10s.

That is why a **toolkit of strategies** helps us work accurately and quickly.

Tip: Slow facts become quick facts when you choose a useful strategy.



Strategy Toolkit

- Use a mnemonic or pattern.
- Build from known facts.
- Use turnarounds.
- Make fact families.

Think: Pick the tool that makes the fact easiest for you.

Preview



Count In Sevens

Preview

7, 14, 21, 28, 35, 42
49, 56, 63, 70, 77, 84

Practise saying the sequence forwards, then backwards.



Mnemonic Pattern

Write the final digits in three columns:

Preview

7 4 1
8 5 2

9 6 3

These endings help with 1×7 through 9×7 .



Use Known Facts

Start with facts you already know:

Preview

$$5 \times 7 = 35$$

$$2 \times 7 = 14$$

$$10 \times 7 = 70$$

Combine or adjust them to find nearby facts.



Use Turnarounds

A **turnaround** fact has the same product in either order.

Preview

$$7 \times 4 = 28$$

$$4 \times 7 = 28$$

Knowing one fact often gives you another straight away.



Division With 7s

Division is the **inverse** of multiplication.
Preview
If $7 \times 8 = 56$, then $56 \div 7 = 8$.

Use the multiplication fact you know to unlock the division fact.

Question: Ask: how many groups of 7 are in this number?



Fact Families

One multiplication fact can make four related facts.

Preview

$$7 \times 6 = 42$$

$$6 \times 7 = 42$$

$$42 \div 7 = 6$$

$$42 \div 6 = 7$$



Using Arrays

An array shows equal groups clearly.

Four rows of seven dots show:

Preview
 $7 \times 4 = 28$
 $4 \times 7 = 28$

$$28 \div 7 = 4 \text{ and } 28 \div 4 = 7$$



Time To Practise

Solve mentally then explain the strategy you used.

Preview

$$7 \times 3 = \quad 7 \times 8 = \quad 6 \times 7 =$$

$$56 \div 7 = \quad 42 \div 7 = \quad 84 \div 7 =$$

Tip: Say the known fact before writing the answer.



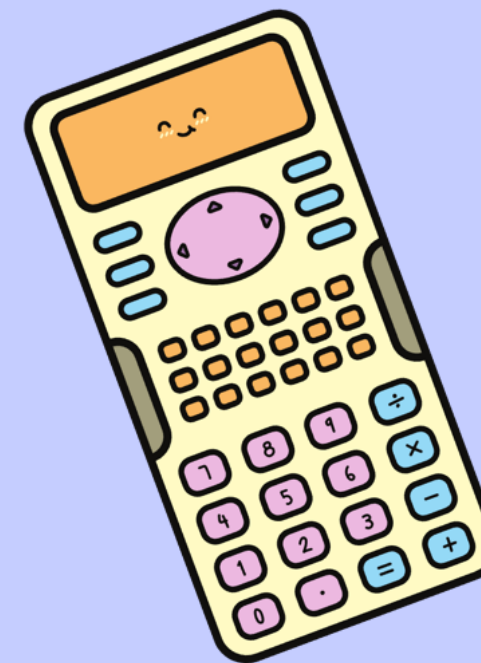
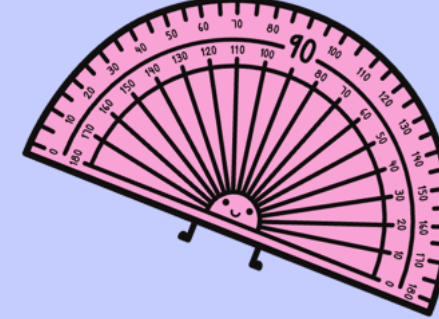
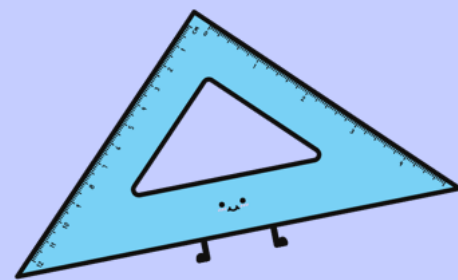
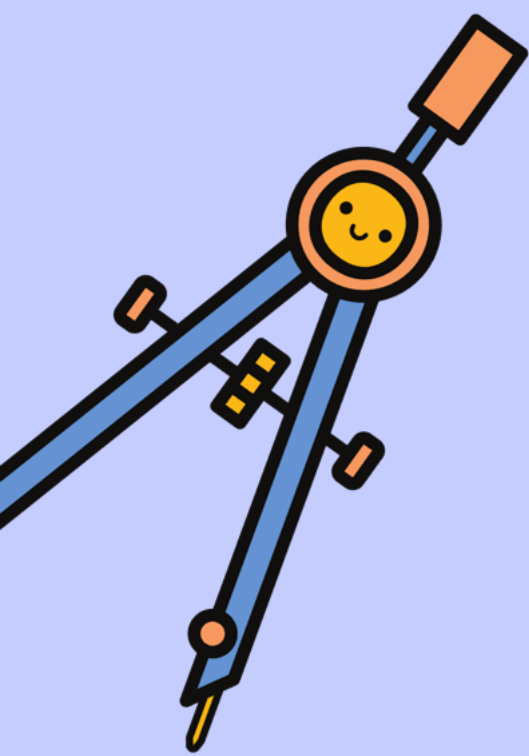
Saying The Sevens

Seven ones are seven.
Preview
Seven twos are fourteen.

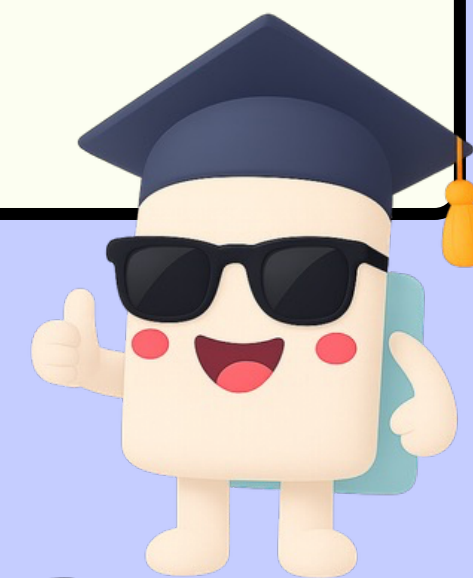
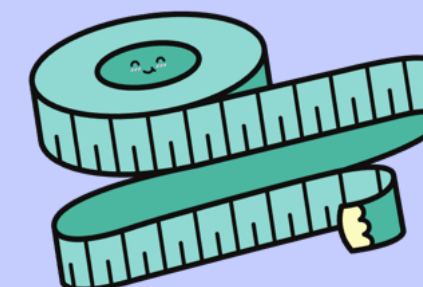
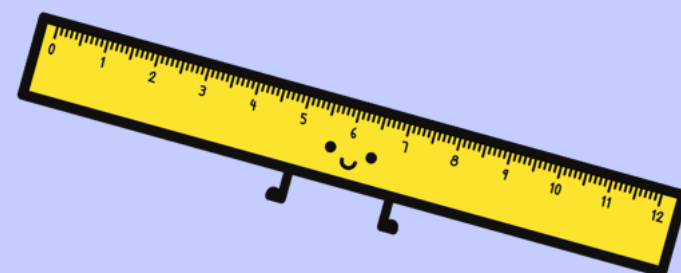
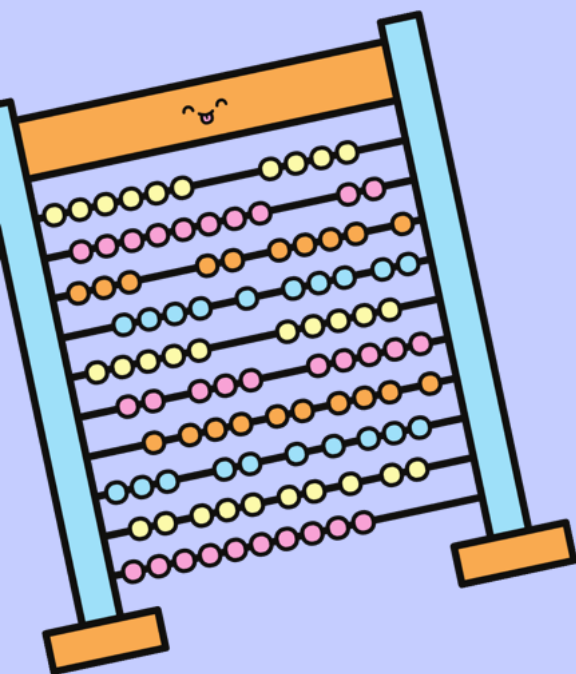
Seven threes are twenty-one.

Keep practising until each fact feels familiar.





Preview!



Preview 7x Quiz



Question 1

What is 7×6 ?

Preview

A 36

B 42

C 48

D 56



Question | Answer

What is 7×6 ?

Preview

A 36

B 42

C 48

D 56



Question 2

True or false: $7 \times 8 = 54$.

True
False
Preview



Question 2 Answer

True or false: $7 \times 8 = 54$.

True
False
Preview



Question 3

$$63 \div 7 = \underline{\hspace{2cm}}$$

Preview



Question 3 Answer

$$63 \div 7 = \underline{\quad}$$

Acceptable answer 9

Preview



Question 4

There are 7 groups of 5. How many altogether?

Preview

A 2

B 50

C 35

D 45



Question 4 Answer

There are 7 groups of 5. How many altogether?

Preview

A 2

B 50

C 35

D 45



Question 5

$$7 \times \underline{\hspace{2cm}} = 84$$

Preview



Question 5 Answer

$$7 \times \underline{\quad} = 84$$

Acceptable answer 12

Preview



Question 6

True or false: 49 is 7 groups of 7.

True
False
Preview



Question 6 Answer

True or false: 49 is 7 groups of 7.

True
False
Preview



Question 7

Which fact is in the same family as $7 \times 9 = 63$?

Preview

A $63 \div 7 = 9$

B $63 \div 9 = 8$

C $9 \times 6 = 63$

D $7 + 9 = 63$



Question 7 Answer

Which fact is in the same family as $7 \times 9 = 63$?

Preview

A $63 \div 7 = 9$

B $63 \div 9 = 8$

C $9 \times 6 = 63$

D $7 + 9 = 63$



Question 8

Eight packs have 7 pencils in each pack. How many pencils are there?

Preview



Question 8 Answer

Eight packs have 7 pencils in each pack. How many pencils are there?

Acceptable answer: 56
Preview



Question 9

Which number comes after 35 when counting by sevens?

Preview

A 36

B 40

C 42

D 49



Question 9 Answer

Which number comes after 35 when counting by sevens?

Preview

A 36

B 40

C 42

D 49



Question 10

$$77 \div 7 = \underline{\hspace{2cm}}$$

Preview



Question 10 Answer

$$77 \div 7 = \underline{\hspace{2cm}}$$

Acceptable answer 11

Preview

