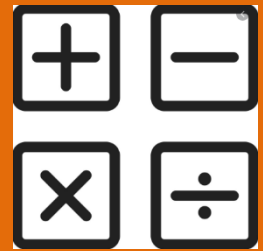


Year 4 Maths



Power Up

The square on the left is divided into hundredths.
The square on the right is divided into tenths.

1/100	2/100	3/100	4/100	5/100	6/100	7/100	8/100	9/100	10/100
11/100	12/100	13/100	14/100	15/100	16/100	17/100	18/100	19/100	20/100
21/100	22/100	23/100	24/100	25/100	26/100	27/100	28/100	29/100	30/100
31/100	32/100	33/100	34/100	35/100	36/100	37/100	38/100	39/100	40/100
41/100	42/100	43/100	44/100	45/100	46/100	47/100	48/100	49/100	50/100
51/100	52/100	53/100	54/100	55/100	56/100	57/100	58/100	59/100	60/100
61/100	62/100	63/100	64/100	65/100	66/100	67/100	68/100	69/100	70/100
71/100	72/100	73/100	74/100	75/100	76/100	77/100	78/100	79/100	80/100
81/100	82/100	83/100	84/100	85/100	86/100	87/100	88/100	89/100	90/100
91/100	92/100	93/100	94/100	95/100	96/100	97/100	98/100	99/100	100/100

1/10
2/10
3/10
4/10
5/10
6/10
7/10
8/10
9/10
10/10

I remember that there are 10 hundredths in 1 tenth.



If $\frac{7}{10}$ are shaded, how many hundredths would you need to shade to show the same as $\frac{7}{10}$?

How many hundredths are the same as $\frac{4}{10}$?

How many tenths are the same as $\frac{90}{100}$?

Year 4 Maths

LO: To identify equivalent fractions



Re-cap

What does the word equivalent mean?

What are equivalent fractions?

Year 4 Maths

LO: To identify equivalent fractions



Are these fractions equivalent? Explain how you know

$$\frac{1}{2}$$

$$\frac{2}{4}$$

Year 4 Maths

LO: To identify equivalent fractions



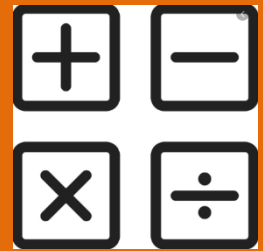
Are these fractions equivalent? Explain how you know

$$\frac{3}{4}$$

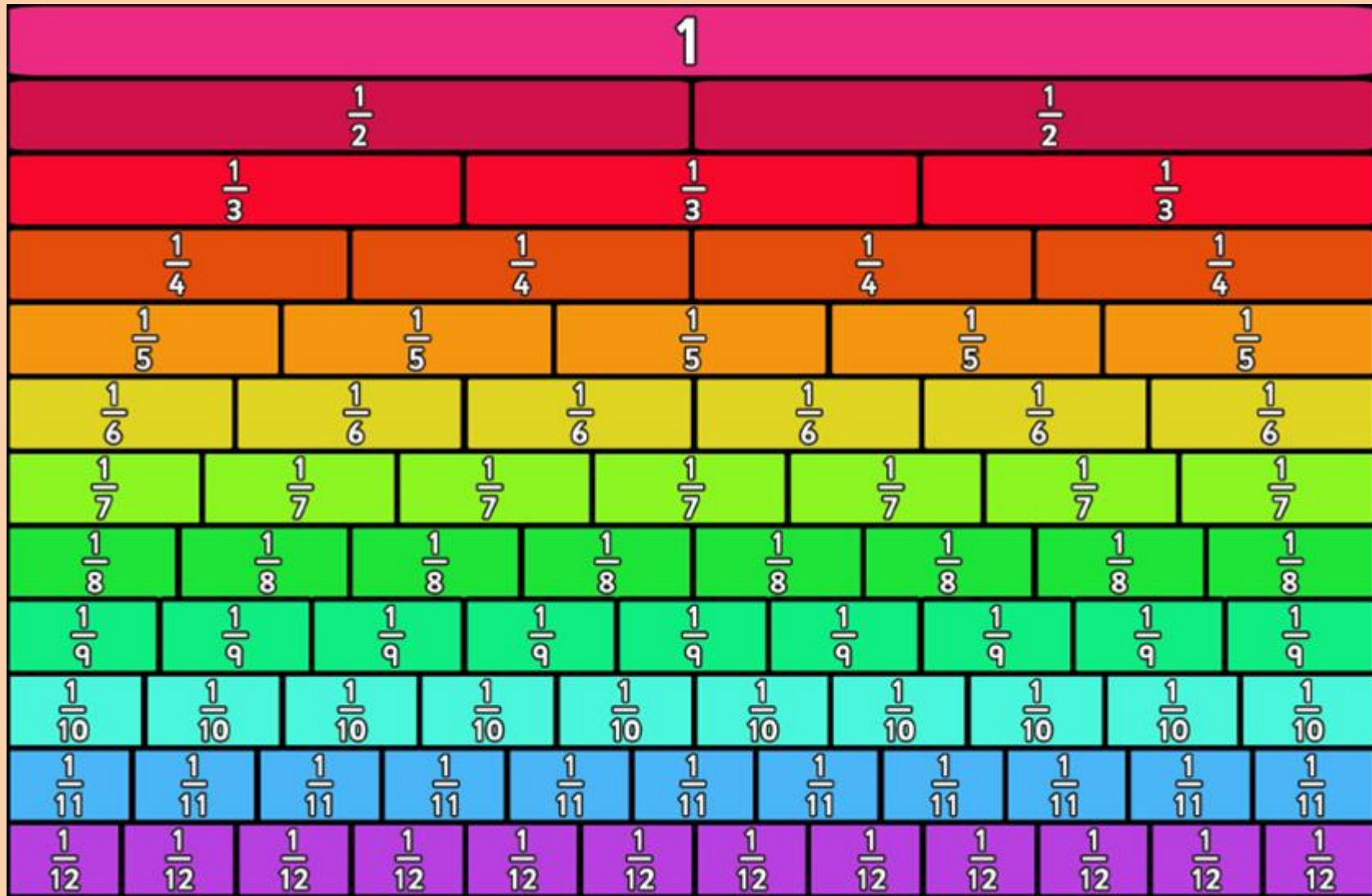
$$\frac{1}{4}$$

Year 4 Maths

LO: To identify equivalent fractions

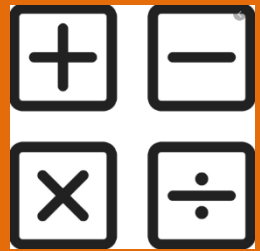


How
can
this
help
you?



Year 4 Maths

LO: To identify equivalent fractions



Lets look at these together:

Isla has paired up some fraction cards.

Some of the numbers are covered.

$$\frac{1}{4} = \frac{3}{\text{snowflake}}$$
$$\frac{3}{5} = \frac{\text{snowflake}}{20}$$
$$\frac{\text{snowflake}}{8} = \frac{12}{16}$$

What are the missing numbers?

Year 4 Maths

LO: To identify equivalent fractions



Match the pairs of equivalent fractions.

$$\frac{1}{3}$$

$$\frac{6}{15}$$

$$\frac{2}{7}$$

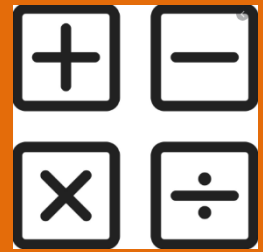
$$\frac{10}{35}$$

$$\frac{2}{5}$$

$$\frac{3}{9}$$

Year 4 Maths

LO: To identify equivalent fractions



Success Criteria

- Find the fraction on the fraction wall
- Use a ruler to draw a line down the wall
- Find all the fractions that are equal to the first fraction
- Answer the questions

Year 4 Maths

LO: To identify equivalent fractions

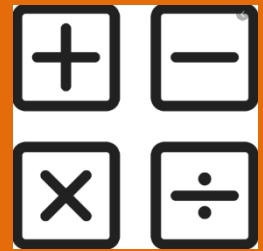


Fluency

1. How many quarters are equal to $\frac{1}{2}$?
2. How many sixths are equal to $\frac{1}{2}$?
3. How many eighths are equal to $\frac{1}{2}$?
4. How many eighths are equal to $\frac{1}{4}$?
5. How many twelfths are equal to $\frac{1}{4}$?
6. Write two fractions that are equal to $\frac{1}{3}$
7. Write a fraction that is equal to $\frac{1}{5}$

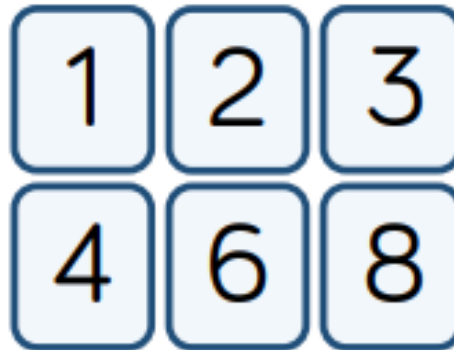
Year 4 Maths

LO: To identify equivalent fractions



Reasoning

Use the digit cards to complete the equivalent fractions.

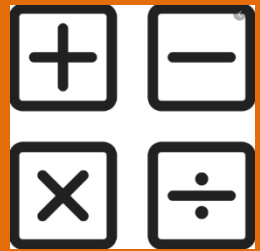


$$\frac{\square}{\square} = \frac{\square}{\square}$$

How many different ways can you find?

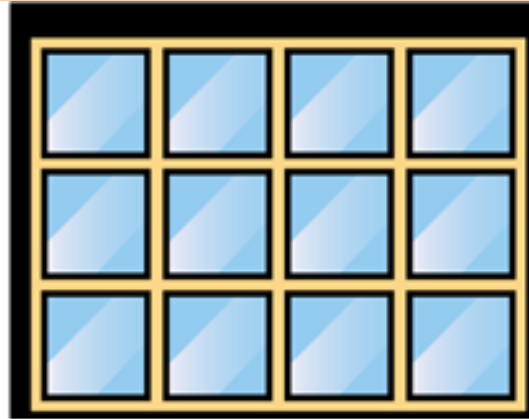
Year 4 Maths

LO: To identify equivalent fractions



Problem Solving:

How many equivalent fractions can you see in this picture?



Liam has two strips of the same sized paper.
He folds the strips into different sized fractions.
He shades in three equal parts on one strip and six equal parts on the other strip.
What fractions could he have folded his strips into?

Year 4 Maths

LO: To identify equivalent fractions



Answers - Fluency

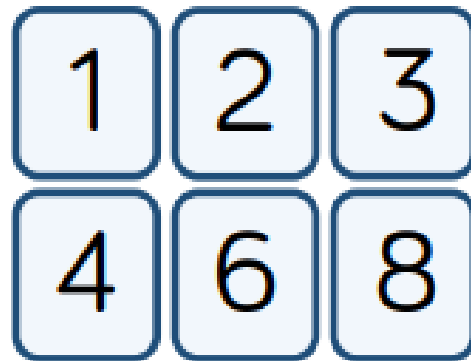
- 1) How many quarters are equal to $\frac{1}{2}$? **2/4**
- 2) How many sixths are equal to $\frac{1}{2}$? **3/6**
- 3) How many eighths are equal to $\frac{1}{2}$? **4/8**
- 4) How many eighths are equal to $\frac{1}{4}$? **2/8**
- 5) How many twelfths are equal to $\frac{1}{4}$? **3/12**
- 6) Write two fractions that are equal to $\frac{1}{3}$ **2/6 3/9 4/12**
- 7) Write a fraction that is equal to $\frac{1}{5}$ **2/10**

Year 4 Maths

LO: To identify equivalent fractions



Reasoning Use the digit cards to complete the equivalent fractions.



$$\frac{\square}{\square} = \frac{\square}{\square}$$

How many different ways can you find?

Possible answers:

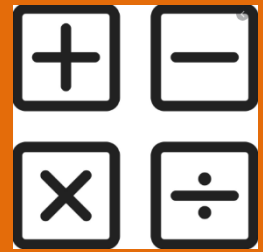
$$\frac{1}{2} = \frac{3}{6}, \frac{1}{2} = \frac{4}{8},$$

$$\frac{1}{3} = \frac{2}{6}, \frac{1}{4} = \frac{2}{8},$$

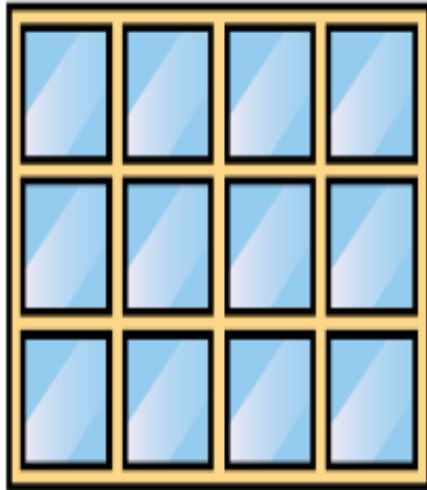
$$\frac{3}{4} = \frac{6}{8}, \frac{2}{3} = \frac{4}{6}$$

Year 4 Maths

LO: To identify equivalent fractions



How many equivalent fractions can you see in this picture?



Children can give a variety of possibilities.

Examples:

$$\frac{1}{2} = \frac{6}{12} = \frac{3}{6}$$

$$\frac{1}{4} = \frac{3}{12}$$

Liam has two strips of the same sized paper.

He folds the strips into different sized fractions.

He shades in three equal parts on one strip and six equal parts on the other strip.

What fractions could he have folded his strips into?

Liam could have folded his strips into sixths and twelfths, quarters and eighths or any other fractions where one of the denominators is double the other.