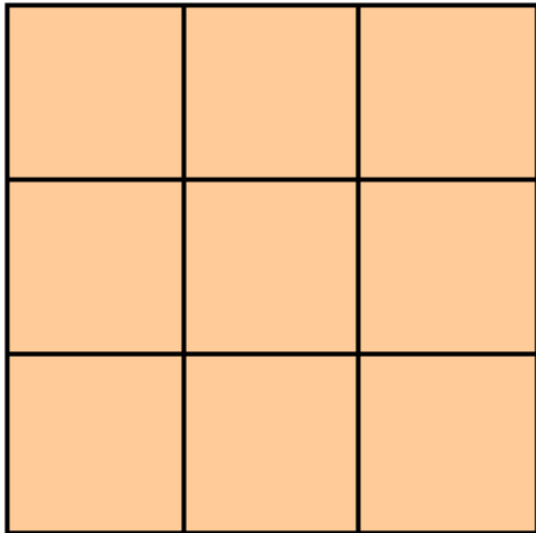


Maths Day 4 - Starter

Can you put the digits 1 to 9 in a square so that every row, column and diagonal add to 15?



This example doesn't work:

1	3	5	→ 9
9	6	4	→ 19
2	7	8	→ 17

↙ 13 ↓ 12 ↓ 16 ↓ 17 ↘ 15

Maths Day 4 – Divide Fractions by Fractions

Video Link: https://youtu.be/IVVB_zxAOws

Website Link: https://www.mathsisfun.com/fractions_division.html



Kentucky Fried Chicken..? Nope....

Kkeep

Flip

Change

What is **K**eep | **F**lip | **C**hange?

Take your fraction calculation

$$\frac{1}{2} \div \frac{1}{4}$$

KEEP the **first fraction** exactly how it is

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

FLIP the **second fraction** (swap the numerator and denominator)

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

becomes

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

CHANGE the **division** for **multiplication**

$$\frac{1}{2} \times \frac{4}{1}$$

Now just solve it like you would a multiplication: 1x4 and 2x1 giving you an answer of

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

1. $\frac{1}{2} + \frac{2}{3} =$

6. $\frac{3}{8} + \frac{1}{4} =$

2. $\frac{1}{8} + \frac{1}{4} =$

7. $\frac{2}{5} + \frac{1}{8} =$

3. $\frac{3}{4} + \frac{2}{3} =$

8. $\frac{3}{4} + \frac{5}{8} =$

4. $\frac{4}{5} + \frac{1}{6} =$

9. $\frac{2}{3} + \frac{2}{5} =$

5. $\frac{3}{8} + \frac{2}{3} =$

10. $\frac{1}{4} + \frac{5}{8} =$



How many:
Halves in 5
(answer:10)
Thirds in 4
Fifths in 10
Sevenths in 8
Ninths in 18

How many thirds in 4?

How many thirds in 1? There are 3 thirds in 1. How many thirds in 2? There are 6 thirds in 2. How many thirds in 3? Repeat this until you have the right answer 😊

Answers

$$1. \quad \frac{1}{2} + \frac{2}{3} = \boxed{\frac{3}{4}}$$

$$6. \quad \frac{3}{8} + \frac{1}{4} = \boxed{\frac{12}{8} \text{ or } 1 \frac{1}{2}}$$

$$2. \quad \frac{1}{8} + \frac{1}{4} = \boxed{\frac{4}{8} \text{ or } \frac{1}{2}}$$

$$7. \quad \frac{2}{5} + \frac{1}{8} = \boxed{\frac{16}{5} \text{ or } 3 \frac{1}{5}}$$

$$3. \quad \frac{3}{4} + \frac{2}{3} = \boxed{\frac{9}{8} \text{ or } 1 \frac{1}{8}}$$

$$8. \quad \frac{3}{4} + \frac{5}{8} = \boxed{\frac{24}{20} \text{ or } 1 \frac{1}{5}}$$

$$4. \quad \frac{4}{5} + \frac{1}{6} = \boxed{\frac{24}{5} \text{ or } 4 \frac{4}{5}}$$

$$9. \quad \frac{2}{3} + \frac{2}{5} = \boxed{\frac{10}{6} \text{ or } 1 \frac{2}{3}}$$

$$5. \quad \frac{3}{8} + \frac{2}{3} = \boxed{\frac{9}{16}}$$

$$10. \quad \frac{1}{4} + \frac{5}{8} = \boxed{\frac{8}{20} \text{ or } \frac{2}{5}}$$

1. Work out:

a. $\frac{1}{8} \div \frac{3}{4} =$

b. $\frac{5}{12} \div \frac{1}{4} =$

c. $\frac{3}{9} \div \frac{1}{3} =$

d. $\frac{2}{5} \div \frac{4}{10} =$

e. $\frac{3}{6} \div \frac{7}{8} =$

2. Work out:

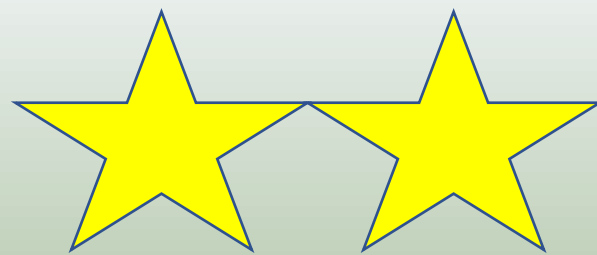
a. $\frac{13}{6} \div \frac{5}{3} =$

b. $\frac{11}{3} \div \frac{6}{2} =$

c. $\frac{8}{3} \div \frac{12}{4} =$

d. $\frac{21}{14} \div \frac{2}{3} =$

10 2



Convert these top heavy fractions to mixed numbers:

1. $\frac{10}{3}$

2. $\frac{16}{5}$

3. $\frac{32}{7}$

4. $\frac{58}{8}$

5. $\frac{67}{13}$

How many whole pizzas can I make if I have:

1. 8 half pizzas
2. 11 half pizzas
3. 10 thirds of pizzas
4. 22 quarter of pizzas
5. 27 fifths of pizzas