

L.O. Add 3 fractions within 1, different denominators. Square Hexagon Remember to:	What I think	What my teacher thinks
Use a bar model to compare fractions.	☐	☐
Find a common denominator.	☐	☐
Add the numerators.	☐	☐
★ Simplify the resulting fraction.	☐	☐
Do me first: $72 \div 6 =$ $49 \div 7 =$		

Complete the additions.

Use the bar models to help you.

a)



$$\frac{1}{2} + \frac{1}{4} + \frac{1}{12} = \boxed{}$$

b)



$$\frac{1}{2} + \frac{1}{3} + \frac{1}{12} = \boxed{}$$

c)



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

d)



$$\frac{1}{3} + \frac{1}{4} + \frac{1}{6} = \boxed{}$$

Complete the additions.

$$\text{a) } \frac{1}{5} + \frac{3}{10} + \frac{7}{20} = \boxed{}$$

$$\text{b) } \frac{1}{16} + \frac{5}{32} + \frac{3}{8} = \boxed{}$$

$$\text{c) } \frac{1}{4} + \frac{5}{24} + \frac{5}{12} = \boxed{}$$

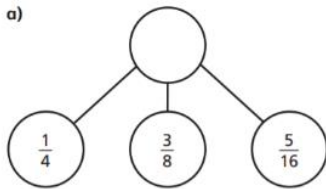
$$\text{d) } \frac{3}{16} + \frac{1}{2} + \frac{1}{4} = \boxed{}$$

$$\text{e) } \frac{1}{2} + \frac{5}{18} + \frac{1}{9} = \boxed{}$$

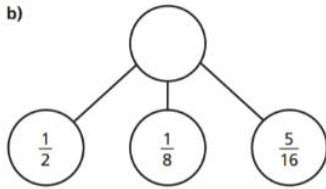
$$\text{f) } \frac{1}{5} + \frac{8}{35} + \frac{2}{7} = \boxed{}$$

Complete the part-whole models.

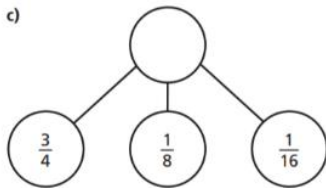
a)



b)



c)



Match the calculation to the correct answer. Show your working in your book.

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

$$\frac{11}{12}$$

$$\frac{1}{2} + \frac{2}{12} + \frac{1}{4}$$

$$\frac{8}{12}$$

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

$$\frac{10}{12}$$

L.O. Add 3 fractions within 1, different denominators. Pentagon Quadrilateral Remember to:	What I think	What my teacher thinks
Use a bar model to compare fractions.	☐	☐
Find a common denominator.	☐	☐
Add the numerators.	☐	☐
★ Simplify the resulting fraction.	☐	☐
Do me first: $720 \div 6 =$ $490 \div 7 =$		

Complete the additions.

Use the bar models to help you.

a)



$$\frac{1}{2} + \frac{1}{4} + \frac{1}{12} = \boxed{}$$

b)



$$\frac{1}{2} + \frac{1}{3} + \frac{1}{12} = \boxed{}$$

c)



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

d)



$$\frac{1}{3} + \frac{1}{4} + \frac{1}{6} = \boxed{}$$

Complete the additions.

$$\text{a) } \frac{1}{5} + \frac{3}{10} + \frac{7}{20} = \boxed{}$$

$$\text{d) } \frac{3}{16} + \frac{1}{2} + \frac{1}{4} = \boxed{}$$

$$\text{b) } \frac{1}{16} + \frac{5}{32} + \frac{3}{8} = \boxed{}$$

$$\text{e) } \frac{1}{2} + \frac{5}{18} + \frac{1}{9} = \boxed{}$$

$$\text{c) } \frac{1}{4} + \frac{5}{24} + \frac{5}{12} = \boxed{}$$

$$\text{f) } \frac{1}{5} + \frac{8}{35} + \frac{2}{7} = \boxed{}$$

Match the calculation to the correct answer. Show your working in your book.

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

$$\frac{11}{12}$$

$$\frac{1}{2} + \frac{2}{12} + \frac{1}{4}$$

$$\frac{8}{12}$$

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

$$\frac{10}{12}$$

True or false? Prove it!

a) $\frac{2}{8} + \frac{1}{4} + \frac{1}{16} = \frac{9}{16}$

b) $\frac{1}{2} + \frac{1}{6} + \frac{1}{12} = \frac{3}{12}$

c) $\frac{1}{3} + \frac{1}{6} + \frac{4}{12} = \frac{10}{12}$

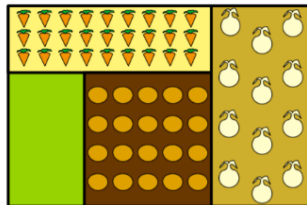
d) $\frac{1}{6} + \frac{2}{12} + \frac{2}{3} = \frac{5}{21}$

Rosie has a vegetable patch.

$\frac{2}{9}$ of the patch contains carrots.

$\frac{5}{18}$ of the patch contains potatoes.

$\frac{1}{3}$ of the patch contains onions.



What fraction of the patch contains carrots, potatoes or onions?

$\frac{1}{3}$ are red.

$\frac{1}{6}$ are blue.

$\frac{5}{12}$ are yellow.

The rest are green.



What fraction of the marbles are green?

L.O. Add 3 fractions within 1, different denominators. Triangle Remember to:	What I think	What my teacher thinks
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Find a common denominator.	☐	☐
Add the numerators.	☐	☐
★ Simplify the resulting fraction.	☐	☐
Do me first: $720 \div 12 =$ $490 \div 14 =$		

Complete the additions.

Use the bar models to help you.

a)



$$\frac{1}{2} + \frac{1}{4} + \frac{1}{12} = \boxed{}$$

b)



$$\frac{1}{2} + \frac{1}{3} + \frac{1}{12} = \boxed{}$$

c)



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

d)



$$\frac{1}{3} + \frac{1}{4} + \frac{1}{6} = \boxed{}$$

Complete the additions.

$$\text{a) } \frac{1}{5} + \frac{3}{10} + \frac{7}{20} = \boxed{}$$

$$\text{d) } \frac{3}{16} + \frac{1}{2} + \frac{1}{4} = \boxed{}$$

$$\text{b) } \frac{1}{16} + \frac{5}{32} + \frac{3}{8} = \boxed{}$$

$$\text{e) } \frac{1}{2} + \frac{5}{18} + \frac{1}{9} = \boxed{}$$

$$\text{c) } \frac{1}{4} + \frac{5}{24} + \frac{5}{12} = \boxed{}$$

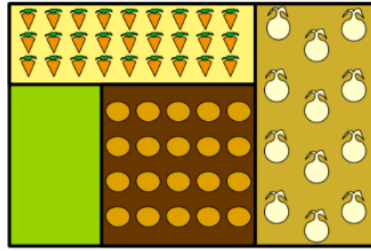
$$\text{f) } \frac{1}{5} + \frac{8}{35} + \frac{2}{7} = \boxed{}$$

Rosie has a vegetable patch.

$\frac{2}{9}$ of the patch contains carrots.

$\frac{5}{18}$ of the patch contains potatoes.

$\frac{1}{3}$ of the patch contains onions.



What fraction of the patch contains carrots, potatoes or onions?

What fraction has nothing growing on it?

The answer is equal to or less than 1.

Find 3 possible ways to complete the calculation.

$$\frac{1}{\boxed{}} + \frac{\boxed{}}{6} + \frac{4}{\boxed{}} = \frac{\boxed{}}{12}$$

Complete the number square.

The total of each column is $\frac{4}{5}$

The total of each row is $\frac{4}{5}$

$\frac{3}{10}$	$\frac{2}{5}$	
	$\frac{1}{10}$	
$\frac{7}{20}$		

Jessie adds 3 fractions together.

Each of the 3 fractions has a different denominator.

The total is less than 1.

The denominators are all factors of 16.

Each of the 3 fractions is less than $\frac{1}{2}$.



What could the calculation be?
Find all possibilities.