

a) $3\frac{1}{4} - \frac{5}{24} =$

d) $7\frac{5}{6} - \frac{13}{24} =$

b) $3\frac{3}{16} - \frac{1}{8} =$

e) $4\frac{4}{9} - \frac{4}{27} =$

RECALL



Complete the subtractions.

Use bar models to help you.



a) $2\frac{1}{2} - \frac{7}{12} = \square$

b) $2\frac{1}{3} - \frac{7}{12} = \square$

c) $2\frac{1}{4} - \frac{7}{12} = \square$

GUIDED
PRACTICE



LO: subtracting breaking the whole.

Some will even find multiple solutions.

Some will answer multi step problems.

Most will understand how to break the whole.

All will subtract fractions from mixed numbers.

LEARNING HABIT RESILIENCE.





$$3\frac{1}{4} - \frac{1}{8} =$$



$$3\frac{1}{4} - \frac{2}{8} =$$



$$3\frac{1}{4} - \frac{3}{8} =$$

INTELLIGENT
PRACTICE.



Dive deeper 1

Which calculations will break the whole?

$$3\frac{1}{2} - \frac{9}{10}$$

$$7\frac{3}{4} - \frac{1}{8}$$

$$6\frac{11}{12} - \frac{2}{3}$$

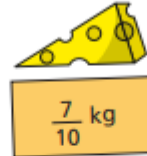
$$4\frac{2}{5} - \frac{7}{15}$$

Dive deeper 2

Here are some ingredients.



Potatoes



Cheese



Carrots

- How much more do the carrots weigh than the cheese?
- Jack uses $\frac{17}{20}$ kg of carrots.
How many kilograms of carrots does he have left?
- Jack uses all the cheese and the same amount of potatoes.
How much do the leftover potatoes weigh?

Dive deeper 3

Eva is doing the long jump.

On her 1st attempt, she jumps $3\frac{2}{9}$ m.

Her 2nd attempt is $\frac{2}{3}$ m shorter than her first.

How far does Eva jump on her 2nd attempt?

- The difference between a mixed number and a fraction is $\frac{7}{8}$.
The fraction has a denominator of 16.
What could the mixed number and the fraction be?
Give two possible answers.



$$3\frac{1}{4} - \frac{1}{8} = \boxed{\begin{array}{l} 3 \\ 1/8 \end{array}}$$



$$3\frac{1}{4} - \frac{2}{8} = \boxed{3}$$



$$3\frac{1}{4} - \frac{3}{8} = \boxed{\begin{array}{l} 2 \\ 7/8 \end{array}}$$

INTELLIGENT
PRACTICE.



Dive deeper 1

Which calculations will break the whole?

$$3\frac{1}{2} - \frac{9}{10}$$

$$7\frac{3}{4} - \frac{1}{8}$$

$$6\frac{11}{12} - \frac{2}{3}$$

$$4\frac{2}{5} - \frac{7}{15}$$

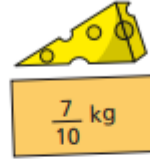
Number 1 and 4
will break the
whole.

Dive deeper 2

Here are some ingredients.



Potatoes



Cheese



Carrots

- How much more do the carrots weigh than the cheese?
- Jack uses $\frac{17}{20}$ kg of carrots.
How many kilograms of carrots does he have left?
- Jack uses all the cheese and the same amount of potatoes.
How much do the leftover potatoes weigh?

- A) $\frac{7}{10}$ kg
B) $\frac{11}{20}$
kg
C) 1
 $\frac{8}{10}$ kg

Dive deeper 3

Eva is doing the long jump.

On her 1st attempt, she jumps $3\frac{2}{9}$ m.

Her 2nd attempt is $\frac{2}{3}$ m shorter than her first.

How far does Eva jump on her 2nd attempt?

$2\frac{5}{9}$ m

- The difference between a mixed number and a fraction is $\frac{7}{8}$.
The fraction has a denominator of 16.
What could the mixed number and the fraction be?
Give two possible answers.

DIVE DEEPER