

5.NF.A.1 Adding Like Fractions

5.NF.A.1: Add and subtract fractions with unlike denominators.

- Find the sum. Convert the value expression to the simplest form. Convert it to a mixed number if value of expression is greater than 1.

a. $\frac{3}{5} + \frac{1}{5}$

d. $\frac{10}{13} + \frac{11}{13}$

b. $\frac{2}{8} + \frac{1}{8} + \frac{6}{8}$

e. $\frac{5}{9} + \frac{3}{9}$

c. $\frac{5}{12} + \frac{6}{12}$

f. $\frac{4}{15} + \frac{6}{15} + \frac{3}{15}$

Answers:

a.

d.

b.

e.

c.

f.

- Father's car consumed $\frac{4}{7}$ of a gallon of fuel yesterday. Grandfather's truck consumed $\frac{6}{7}$ of a gallon of fuel yesterday. How much fuel did their cars consume?

Answer:

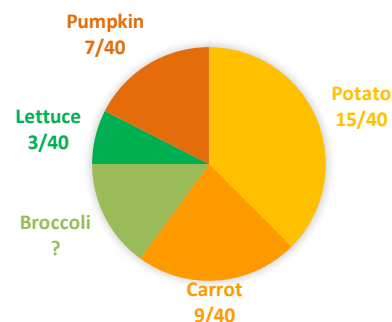
- Mr. Wright conducted a survey and found that $\frac{8}{18}$ of the students in her class have one pet at home. Another $\frac{6}{18}$ have no pet at home and the rest of the students have two or more pets at home. What fraction of students have one or more pets?

Answer:

- The pie chart on the right shows the results of a survey that was conducted in a class of 40 students to find out the favorite vegetables of the students. Use the chart to answer the questions below.

- What fraction of students listed "Broccoli" as their favorite vegetable?
- What fraction of the students listed "Potato" as their favorite vegetable?
- One student decided to change his preference to "Lettuce" from "Carrot" after the chart was made. Now, what fraction of students does have Broccoli or Carrot as their favorite vegetable?

Favorite Vegetable



Answers:

a.

b.

c.

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Answer Key

- Find the sum. Convert the value expression to the simplest form. Convert it to a mixed number if value of expression is greater than 1.

a. $\frac{3}{5} + \frac{1}{5}$	d. $\frac{10}{13} + \frac{11}{13}$
b. $\frac{2}{8} + \frac{1}{8} + \frac{6}{8}$	e. $\frac{5}{9} + \frac{3}{9}$
c. $\frac{5}{12} + \frac{6}{12}$	f. $\frac{4}{15} + \frac{6}{15} + \frac{3}{15}$

Answers:

a. $\frac{4}{5}$	d. $1\frac{8}{13}$
b. $1\frac{1}{8}$	e. $\frac{8}{9}$
c. $\frac{11}{12}$	f. $\frac{13}{15}$

- Father's car consumed $\frac{4}{7}$ of a gallon of fuel yesterday. Grandfather's truck consumed $\frac{6}{7}$ of a gallon of fuel yesterday. How much fuel did their cars consume?

Answer:

$1\frac{3}{7}$ gallon

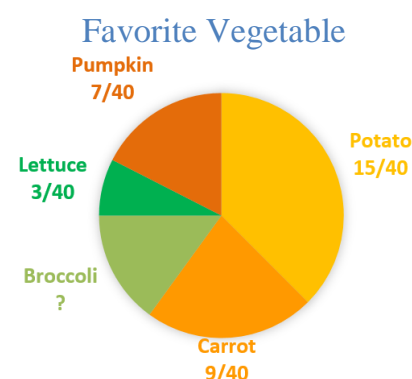
- Mr. Wright conducted a survey and found that $\frac{8}{18}$ of the students in her class have one pet at home. Another $\frac{6}{18}$ have no pet at home and the rest of the students have two or more pets at home. What fraction of students have one or more pets?

Answer:

$\frac{7}{9}$

- The pie chart on the right shows the results of a survey that was conducted in a class of 40 students to find out the favorite vegetables of the students. Use the chart to answer the questions below.

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Answers:

a. $\frac{3}{20}$	b. $\frac{3}{8}$	c. $\frac{7}{20}$
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