TRASHKETBALL CARD #1

A car holds $8\frac{1}{4}$ gallons of fuel. It currently contains $4\frac{5}{6}$ gallons of fuel. How much more fuel is needed to fill the car?

$8\frac{1}{4} - 4\frac{5}{6}$

$8\frac{3}{12} - 4\frac{10}{12}$

$7\frac{15}{12} - 4\frac{10}{12} = 3\frac{5}{12}$ gallons

TRASHKETBALL CARD #2

Joshua donated $\frac{3}{24}$ of his paycheck to a local recreation program, $\frac{1}{12}$ of his paycheck to his favorite charity. What fraction of his paycheck did he donate?

$\frac{3}{24} + \frac{1}{12}$

$\frac{3}{24} + \frac{2}{24} = \frac{5}{24}$ of his paycheck

TRASHKETBALL CARD #3

Brittney bought a melon that weighed $11\frac{2}{3}$ ounces and a plum that weighed $5\frac{2}{7}$ ounces. How much more did the melon weigh than the plum?

$11\frac{2}{3} - 5\frac{2}{7}$

$11\frac{14}{21} - 5\frac{6}{21} = 6\frac{8}{21}$ ounces

TRASHKETBALL CARD #4

It takes Jared $6\frac{1}{3}$ minutes to run one mile. How long will it take Jared to run $10\frac{1}{4}$ miles assuming he runs at a constant pace?

$6\frac{1}{3} \cdot 10\frac{1}{4} = \frac{19}{3} \cdot \frac{41}{4} = \frac{779}{12} = 64\frac{11}{12}$ minutes

OR

1 hr $4\frac{11}{12}$ min

TRASHKETBALL CARD #5

If a mitten requires $8\frac{3}{4}$ feet of yarn, how many mittens can be made from $20\frac{1}{2}$ feet of yarn?

$$20\tfrac{1}{2} \div 8\tfrac{3}{4} = \frac{41}{2} \div \frac{35}{4} = \frac{41}{2} \cdot \frac{4}{35} = \frac{164}{70} = 2\frac{24}{70}$$

$2\frac{12}{35}$ Mittens

TRASHKETBALL CARD #6

If $\frac{1}{3}$ of the students in the classroom are wearing purple shirts and $\frac{1}{2}$ of the students in the classroom are wearing blue shirts, what fraction of the students in the classroom wearing neither a purple or blue shirt?

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

$$\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$$

$$\frac{6}{6} - \frac{5}{6} = \frac{1}{6}$$

$\frac{1}{6}$ wearing neither blue or purple

TRASHKETBALL CARD #7

Mark drank $3\frac{2}{5}$ cups of orange juice in the morning and $2\frac{4}{12}$ cups in the afternoon. How much orange juice did Mark drink in all?

$$3\tfrac{2}{5} + 2\tfrac{4}{12}$$

$$3\frac{24}{60} + 2\frac{20}{60} = 5\frac{44}{60} = 5\frac{22}{30} = 5\frac{11}{15} \text{ cups}$$

TRASHKETBALL CARD #8

The Merks stopped to eat lunch $\frac{1}{6}$ of the way on their trip. They continued driving after lunch, traveling $\frac{2}{5}$ more of the way before they stopped again at the rest area. What fraction of the distance do they still need to travel until they reach their destination?

$$\frac{1}{6} + \frac{2}{5} =$$

$$\frac{5}{30} + \frac{12}{30} = \frac{17}{30}$$

$\frac{13}{30}$ left

TRASHKETBALL CARD #9

Planet A is $\frac{14}{15}$ light-year from Earth. Planet B is $\frac{4}{5}$ light-year from Earth. How much farther away is Planet A than Planet B from Earth?

$\frac{16}{15} - \frac{14}{15} = \frac{2}{15}$ light-year

TRASHKETBALL CARD #10

Jeff and his family are driving to visit his grandmother. They have driven about 30 miles, which is about $\frac{2}{3}$ of the way. How much further do they have to go?

If they've driven 2/3 of the way, they have 1/3 of the trip left

$\frac{2}{3} = 30$ miles

means

$\frac{1}{3} = 15$ miles