BALDERMATH

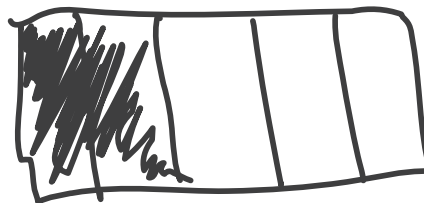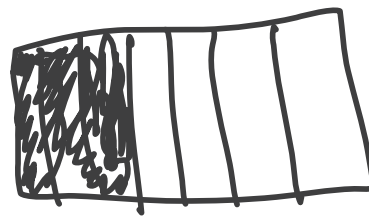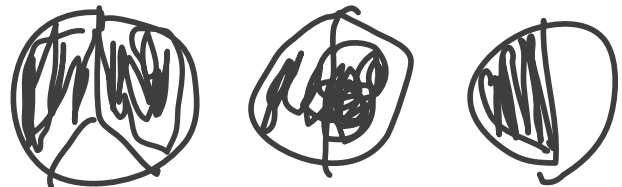## Answer 1: Which is Larger?

Circle the larger fraction in each pair. Explain how you decided which is larger.

$\frac{2}{3}$ or $\boxed{\frac{3}{2}}$?

$\frac{2}{3}$ or $\frac{3}{4}$? same thing

$\boxed{\frac{2}{5}}$ or $\frac{3}{10}$?
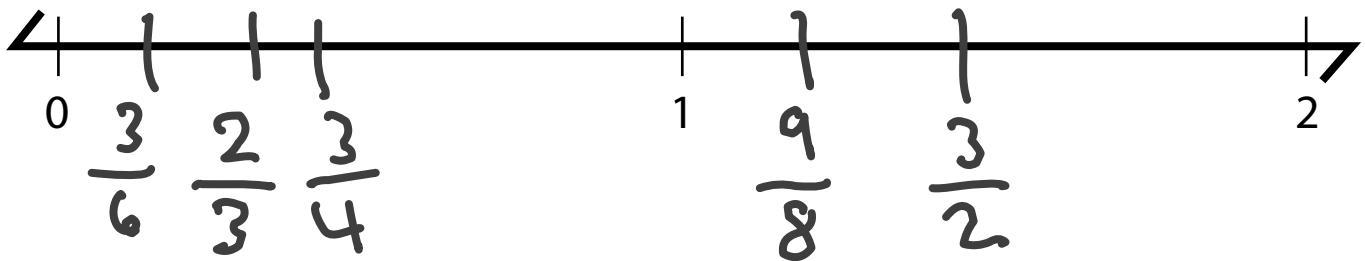
$\frac{3}{7}$ or $\boxed{\frac{2}{5}}$?

Rationale:

Answer 2: Place the following fractions on the number line in order from least to greatest.

$$\frac{3}{2} \quad \frac{3}{4} \quad \frac{2}{3} \quad \frac{9}{8} \quad \frac{3}{6}$$

0   $\frac{3}{6}$ $\frac{2}{3}$ $\frac{3}{4}$ 1 $\frac{9}{8}$ $\frac{3}{2}$ 2

Rationale:

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Answer 3: Word Problem

If 8 people share 44 crackers equally, how many crackers does each person get?

O O O O

5.8

Answer: 5 ⅛

Rationale:

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Answer 4: Agree or Disagree

"Fractions can be greater than 1."

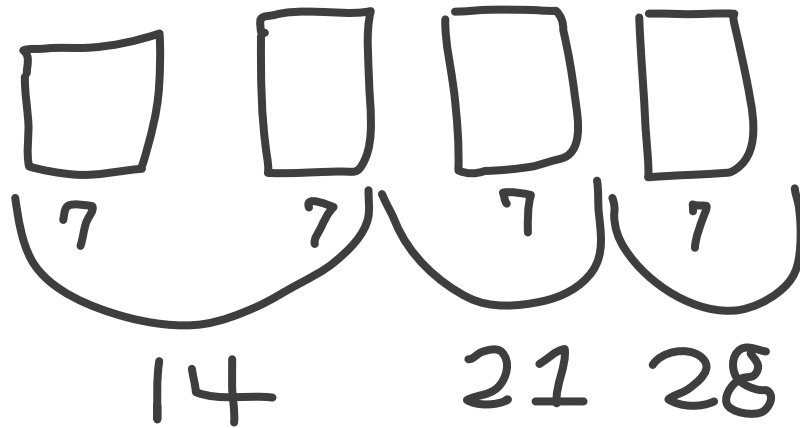Write whether you agree, disagree, or are unsure about this statement and why.

I do not ^agree because if you have 1½ it is a fraction of 2. It is always a fraction if it has something like this. ½

Answer 5: Word Problem

A bag of rice costs $7.00

How much do 4 bags of rice cost?

$$7 \times 4 = 28$$

7   7   7   7

14   21   28
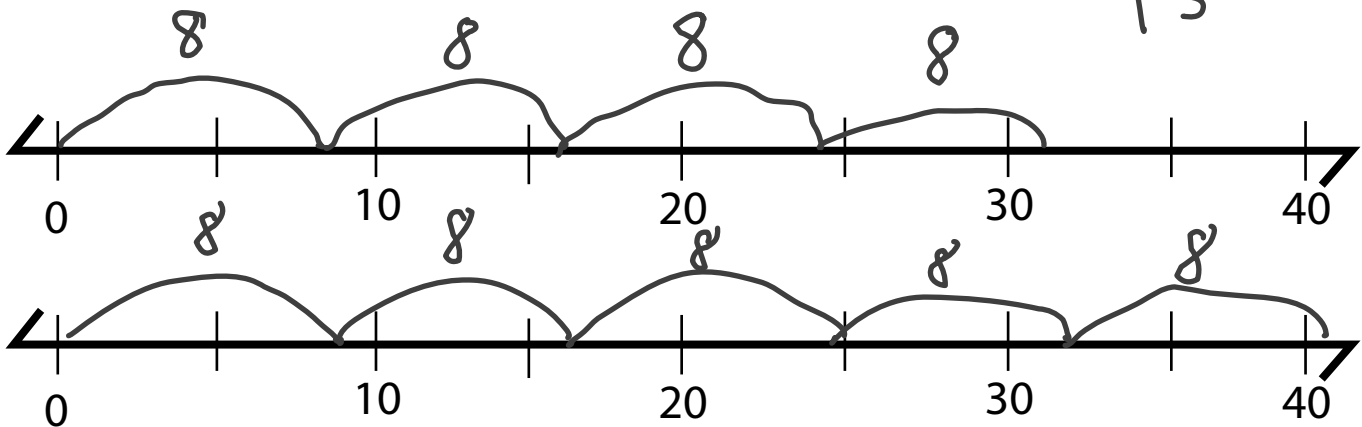
Answer: $28

Rationale:

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Answer 6: Word Problem

Alex buys 4 bags of apples and 5 bags of pears.

There are 8 fruits in each bag.

How many fruits are there in all?

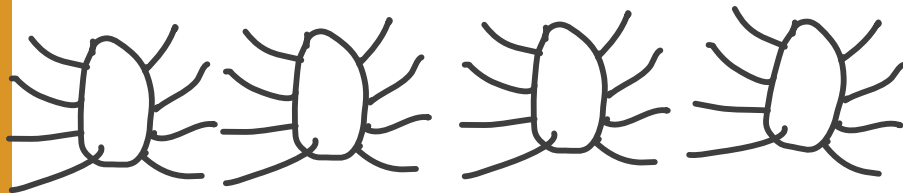$$\begin{array}{r} 32 \\ +41 \\ \hline 73 \end{array}$$

Answer: _____73_____

Rationale:

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Answer 7: Word Problem

$$\begin{array}{r} 54 \\ +\ 32 \\ \hline 86 \end{array}$$

A spider has 8 legs and a butterfly has 6 legs.

How many legs do 4 spiders and 9 butterflies have in all?


$(6+6) + (6+6) + (6+6) + (6+6) + 6$

$$\begin{array}{r} 1 \\ 12 \\ 12 \\ 12 \\ 12 \\ 12 \\ +\ 6 \\ \hline 54 \end{array}$$

$$\begin{array}{r} 1 \\ 16 \\ +16 \\ \hline 32 \end{array}$$
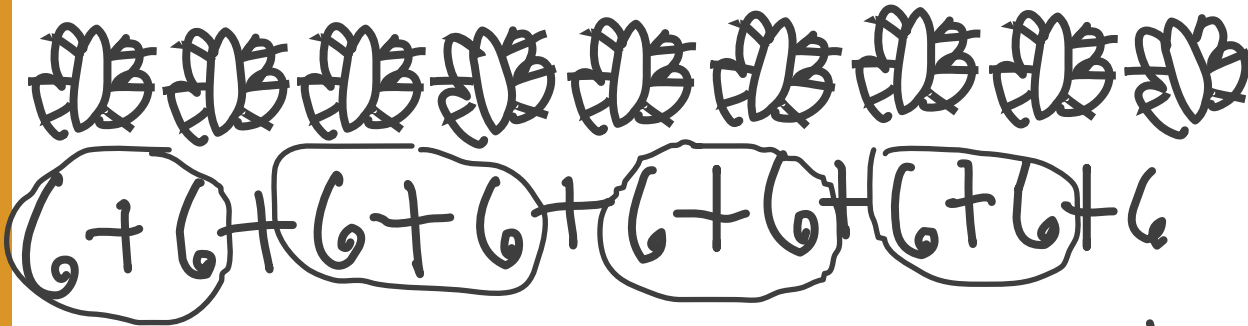
$8 + 8 + 8 + 8 = 32$

Answer: __83__

Rationale:

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Answer 8: Word Problem

Julianne has 12 bags of confetti to spread on 16 tables. She wants to put the same amount of confetti on each table. How much of one bag of confetti should she put on each table?

Use a picture, number model, or words to show your work.

$$\begin{array}{r} 1\frac{4}{12} \\ 12\overline{)16} \\ 12 \\ \hline 04 \end{array}$$

$\frac{1}{2}$ $\frac{1}{2}$
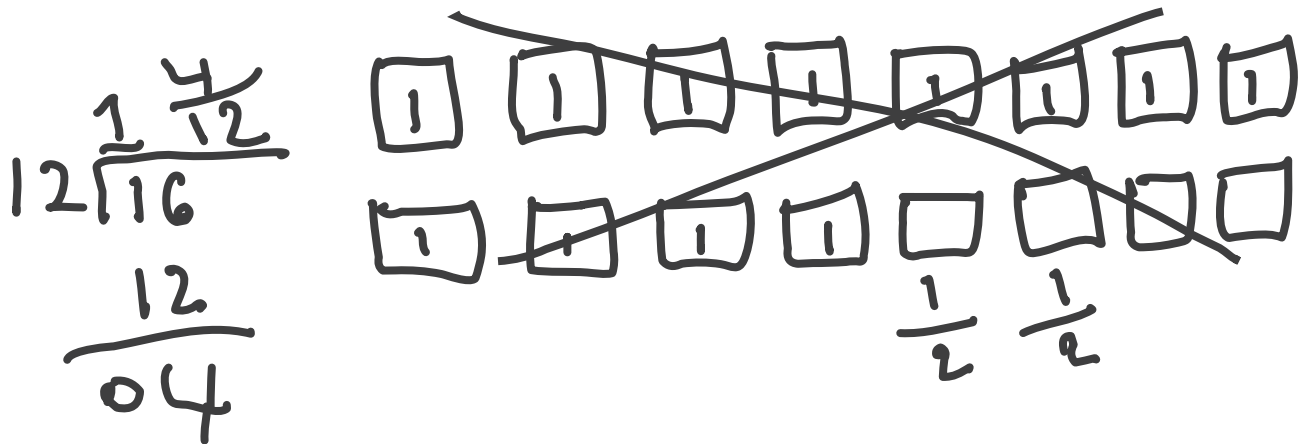
Answer: $12 \div 16 = 1\frac{4}{12}$ on each table

Rationale:

Answer 9: Word Problem

Ben is walking 150 miles in 31 days to raise money for charity. He wants to walk the same distance each day. How far should he walk each day?

$$150 \div 31 = D$$

$$31 \overline{)150}$$
$$\underset{124}{\times \times 4}$$ 10

$$124$$
$$026$$

$$\begin{array}{cc} 31 & 31 \\ \times 5 & \times 4 \\ \hline 155 & 124 \end{array}$$

$$4\frac{26}{31}$$

Answer: $4\frac{26}{31}$ or 5 miles

Rationale: Explain what you did with the remainder and why.

I rounded $4\frac{26}{31}$ up to 5 since 26 is closer to 31 than 20, so Ben has to walk 5 miles for charaty.

Answer 10: Volume

A rectangular, one-story house cover an area of 3.700 square feet. The ceilings are 8 feet high.

a. What is the volume of the interior of the house?

$$3700 \quad V = L \times W \times H$$

$$\begin{array}{r} 3700 \\ \times\ \ 8 \\ \hline 31,200 \end{array}$$

Volume: $31,200^3$

b. The owners added a second floor to the house. The second floor is 50 feet long and 30 feet wide with ceilings that are 9 feet tall. What is the colume of the interior of the second floor?

$$50 \times 30 \times 9 = ?$$

$$\begin{array}{r} 50 \\ \times\ 30 \\ \hline 00 \\ 150 \\ \hline 150 \\ 9 \\ \hline 1350 \end{array}$$

Volume: 1350 cubed^3

c. What is the total volume of the interior of the house?

$$V = \text{Area of base}$$

$$\begin{array}{r} 31200 \\ 1350 \\ \hline 32,550 \end{array}$$

Volume: $32,550 \text{ cubed}^3$

Rationale (use back if needed):

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Answer _: Create Your Own!

Answer: _____

Rationale: