

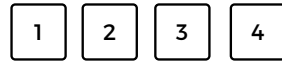
# FRACTION WORD PROBLEMS

## HELPFUL EXAMPLES

Emily And Nick play on the same basket ball team. During the season, Emily made 4 times as many basket as Nick.

a. What fraction of the total baskets made between them is Emily's baskets?

You might think the total is 6. But for every one basket Nick makes Emily makes 5. So the total is actually 6.



Emily's baskets

5 6 Nick's basket

$\frac{4}{6}$  of the basket's belong to Emily.

b. If both of them together made 132 baskets, how many did Emily make?

You'll need to divide 132 in to 6 equal pieces, which gives you 22. Then multiply it by 5. Since suzy made 5 out of 6.

$$\frac{4}{6} \times 132 = 132 \div 6 = 22 \times 4 = 88$$

Emily made 88 baskets and Nick made 44, which totals 132



NOW YOUR TURN:

### ANSWERS

1. Sandy and Mark share a saving account. Sandy has 4 times more money in the account than mark. The account currently has \$6,750. How much has Sandy saved?

Sandy saved: \$5,400 Mark saved : \$1,350

2. Mel bought 10 litres of milk. He drank 1 litres and then poured the rest of milk equally into 6 bottles. How much milk was in each bottle?

10 - 1 = 9 litres of milk. rest of milk equally into bottles:  $9/6 = 3/2 = 1.5$   
Each bottle has 1.5 litres of milk.

3.  $\frac{10}{15}$  of Mr Andy's students are girls. If there are 40 girls. How many students are in his class?

$\frac{10}{15} Y = 40$ .  $Y = 40 \times 15/10 = 60$  students are in class. girls: 40 boys: 20

4. sam has 18 chocolates. He gives one third of them to his friend. How many chocolates is sam left with?

12 chocolates

5. In a seventh class, there were 30 children. One-fifth of the children plays football, two-fifths of the children plays cricket and the rest of the children plays kho-kho. What fraction of children plays only cricket?

$1/5 + 2/5 + \text{cricket} = 30$  ; 12 children plays cricket

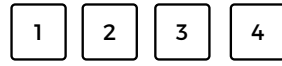
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3.  $\frac{10}{15}$  of Mr Andy's students are girls. If there are 40 girls. How many students are in his class?

4.  $\frac{3}{12}$  of the people in a theater are adults and there are 27 more children than adults in the theater. How many children are in the theater?

5.  $\frac{3}{6}$  of students in Mr. Nick class said black was their favorite colour.  $\frac{2}{10}$  of remaining kids said blue was their favorite, The rest said pink was their favorite colour. If 30 students are present in class, Find how many number of students like pink?