

The ratio of trucks to cars is 7 to 8 . If there are a total of 21 trucks, how many cars are there?


Tax: 11\%, Discount: 22\% Commission: 6\%


## Out of 70 marks

1) What percentage of students got above 78\%
2) What percentage of students did not achieve 50\%
3) Given the grade scale:

| $69=$ | - | $61=$ | - | $53=$ | - | $43=$ | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $68=$ | - | $38=$ | - | 68 $=$ | - | $21=$ | - |
| $62=$ | - | 49 $=$ | - | $62=$ | - | $48=$ | - |
| $57=$ | - | $62=$ | - | 61 $=$ | - | $19=$ | - |
| $43=$ | - | 57 <br> $=$ | - | $61=$ | - | $70=$ | - |
| $57=$ | - | $\stackrel{51}{=}$ | - | 60 $=$ | - |  |  |

$>86 \%=A$ How many students got an $A$ $\qquad$
75-85 = B How many students got an B $\qquad$
70-74 = C+ How many students got an C+ $\qquad$
60-69 = C How many students got an C $\qquad$
50-59 = C- How many students got an C- $\qquad$
$0-49=F \quad$ How many students got an $F$ $\qquad$

What percentage of students received A? B? C+? C? C-? and F?

# The ratio of boys to girls at the basketball game is 8:5. There are 30 girls. How many more boys are there than girls? 

1. The ratio of the weight of $\mathrm{Meg}^{\prime} \mathrm{s}$ cat to the weight of Anne's cat is $5: 7$. Meg's cat w 20 kg . How much more does Anne's cat weigh?

There are 3 packs of crayons available for every 5 students in the art class. How many students can share 15 packs of crayons?

1. In a certain class, the ratio of passing grades to failing grades is 7 to 5 . How many of the 36 students failed the course?



## A Sense of Scale

1. Here is a recipe for making 4 pancakes:
6 tablespoons flour
$1 / 4$ pint milk
$1 / 4$ pint water
1 pinch salt
1 egg


You want to make 10 pancakes.
a. How much flour do you need?
$\square$
b. How much milk do you need?
$\square$

What is $10 \%$ of 30 $\qquad$
What is $5 \%$ of 30 $\qquad$
What is $1 \%$ of 30 $\qquad$

Explain how would you find 20\% of 30 $\qquad$

Explain how you would find $8 \%$ of 30

Estimate a 15 \% tip on the following bills: (show your work)
\$34.67 $\qquad$
\$122.50 $\qquad$

Estimate the final price of the item with a $20 \%$ discount and $12 \%$ tax. (show your work)
\$29.99
$\$ 39.45$

