

Give me 5! 

1. $892 + 100 =$

2. $957 - 325 =$

3. What is $\frac{1}{2}$ of 42?

4. $25 \times 3 =$

5. $30 = ? \times 5$



Solving Word Problems

Lesson 10

In Focus

I have 36
beads.



Emma

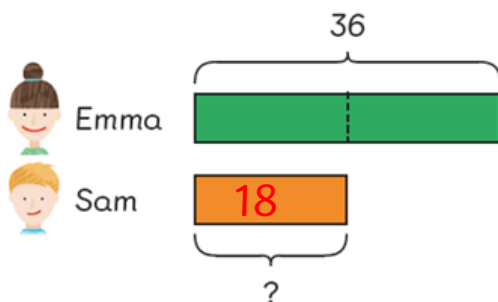
She has twice as
many beads as
I have.



Sam

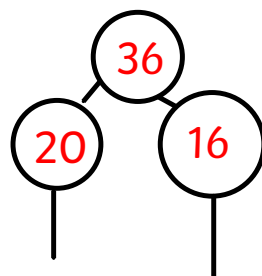
How many beads do
the children have altogether?

Let's Learn

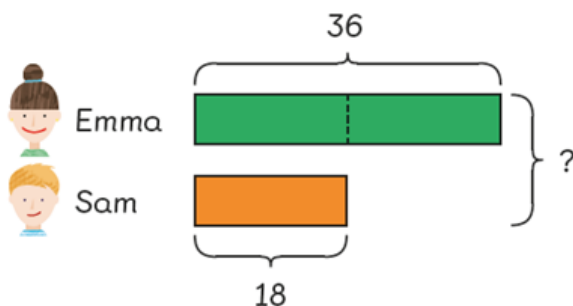


$$36 \div 2 = 18$$

Sam has 18 beads.



$$10 + 8 = 18$$



$$36 + 18 = 54$$

The children have 54 beads altogether.

$$\begin{array}{r} 1 \\ 36 \\ + 18 \\ \hline 54 \end{array}$$

Guided Practice

Solve.

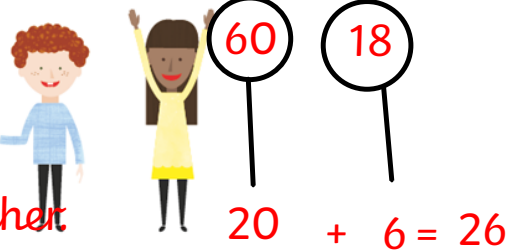
$$\begin{array}{l} \text{B} \quad \boxed{} \boxed{} \boxed{} = 78 \\ \text{G} \quad \boxed{26} \end{array}$$

- 1 There are three times as many boys as there are girls in a hall.
There are 78 boys in the hall.

- (a) How many girls are there in the hall?
(b) How many children are there in the hall?


a) There are 26 girls in the hall.

b) There are 104 children altogether.



$$20 + 6 = 26$$

- 2 There are four times as many children as there are adults at the Science Museum.
The number of boys is equal to the number of girls.
Altogether, there are 80 visitors at the Science Museum.
How many boys are there at the Science Museum?



$$\begin{array}{r} 1 7 8 \\ + 2 6 \\ \hline 1 0 4 \end{array}$$

- 3 Holly makes 2 cups of tea a day.
She uses 3 sugar cubes for every cup of tea.
A jar contains 48 sugar cubes.
- (a) How many cups of tea can Holly make from a jar of sugar cubes?
(b) How many days does she take to use up the entire jar of sugar cubes?



Name: _____ Class: _____ Date: _____



Worksheet 10

Solving Word Problems

Solve.

- 1 In a conference room, there are 76 female participants.
There are twice as many female participants as male participants.
(a) How many male participants are there?



- (b) How many participants are there altogether?



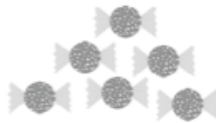
- 2 A storybook has 85 pages.
Every day, Amira reads 3 pages in the morning and 2 pages at night.
How many days does she take to finish reading the book?



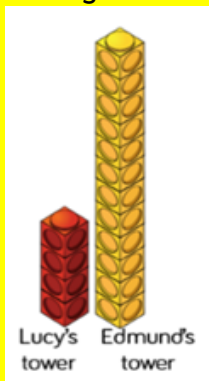
- 3 There are 3 times as many blue pens as red pens in a box.
There are 56 blue and red pens in the box altogether.
How many blue pens are there?



- 4 Holly buys 4 packets of sweets.
There are 36 sweets in each packet.
She puts the sweets equally into 3 containers.
How many sweets are there in each container?



1.) Lucy says Edmund's tower is 3 times taller. Edmund says his tower is 12 times taller. Who do you agree with? Explain why?



4.) Andy saw 7 birds at the park. Sadia saw 4 times more birds than him.



How many birds did Sadia see?

2.) There are six eggs in an egg box.

Stephen has 18 eggs. He thinks he has 4 times more than one box.

Do you agree?

3.) A coach is three times as long as a car. A train is 6m longer than a coach. The train is 36m long.

How long is the car?

5.) I am thinking of a number.

It is 3 times smaller than 30.

What number am I thinking of?

ANSWERS

Name: _____ Class: _____ Date: _____

**Worksheet 10****Solving Word Problems**

Solve.

- 1** In a conference room, there are 76 female participants.
There are twice as many female participants as male participants.
(a) How many male participants are there?

$$76 \div 2 = 38$$

There are 38 male participants.



- (b) How many participants are there altogether?

$$76 + 38 = 114$$

There are 114 participants altogether.

- 2** A storybook has 85 pages.
Every day, Amira reads 3 pages in the morning and 2 pages at night.
How many days does she take to finish reading the book?

$$3 + 2 = 5$$

$$85 \div 5 = 17$$

Amira takes 17 days to finish reading the book.



- 3 There are 3 times as many blue pens as red pens in a box.
There are 56 blue and red pens in the box altogether.
How many blue pens are there?



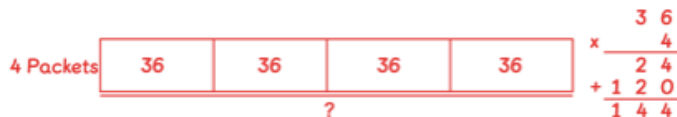
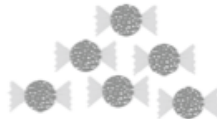
$$\begin{array}{r} 14 \\ 4 \overline{) 56} \\ \underline{40} \\ 16 \\ \underline{16} \\ 0 \end{array}$$

$$\begin{array}{r} 14 \\ \times 3 \\ \hline 42 \\ 30 \\ \hline 42 \end{array}$$

There are 42 Blue pens

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- 4 Holly buys 4 packets of sweets.
There are 36 sweets in each packet.
She puts the sweets equally into 3 containers.
How many sweets are there in each container?



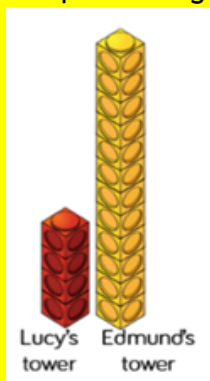
$$\begin{array}{r} 36 \\ \times 4 \\ \hline 144 \end{array}$$



There are 48 sweets in each container

$$\begin{array}{r} 48 \\ 3 \overline{) 144} \\ \underline{120} \\ 24 \\ \underline{24} \\ 0 \end{array}$$

1.) Lucy says Edmund's tower is 3 times taller. Edmund says his tower is 12 times taller. Who do you agree with? Explain why?



I agree with Lucy. Her tower is 4 cubes tall. Edmund's is 12 cubes tall. 12 is 3 times more than 4. Edmund has just counted his cubes and not compared them to Lucy's tower.

2.) There are six eggs in an egg box.

Stephen has 18 eggs. He thinks he has 4 times more than one box.

Do you agree?

There will be 3 times as many eggs. $3 \times 6 = 18$ There will be 18 eggs in total.

3.) A coach is three times as long as a car. A train is 6m longer than a coach. The train is 36m long.

How long is the car?

The train is 36m The coach:
 $36 - 6 = 30\text{m}$
 $30 \div 3 = 10\text{m}$
 The car is 10m long.

4.) Andy saw 7 birds at the park. Sadia saw 4 times more birds than him.



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How many birds did Sadia see?

5.) I am thinking of a number.

It is 3 times smaller than 30.

What number am I thinking of?

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