This is a long lesson so there are no additional activities.

Solving Word Problems

In Focus

Emma: I took 6 sweets.

Elliott: I took twice as many sweets as Emma.

Lulu: I took half as many sweets as Emma.

How many sweets did they take altogether?

Let's Learn

1 How many sweets did Elliott take?

Emma — 6

Elliott —

$2 \times 6 = 12$
Elliott took 12 sweets.

You can use strips of paper to help you.

2 How many sweets did Lulu take?

Emma — 6

Lulu —

$6 \div 2 = 3$
Lulu took 3 sweets.

$\frac{1}{2}$ $\frac{1}{2}$

3

	number of sweets
Emma	6
Elliott	12
Lulu	3

$6 + 12 = 18$

$18 + 3 = 21$

$6 + 12 + 3 = 21$
They took 21 sweets altogether.

Draw a bar to represent the problem. Then fill in the numbers. This will help you solve the problem.

Guided Practice

Solve.

1 buys 10 cupcakes. buys $\frac{1}{2}$ as many cupcakes as buys.

How many cupcakes does buy?

2 buys 10 cookies. buys $\frac{1}{2}$ as many cookies as buys.

(a) How many cookies does buy?

(b) How many cookies do and buy altogether?

3 Ravi has $\frac{1}{2}$ as many £2 coins as Hannah has.
Hannah has 8 £2 coins.

(a) How many coins does Ravi have?

(b) How much money does Ravi have?

Complete Worksheet **29** – Page **126 - 127**

Name: _____ Class: _____ Date:_____

Worksheet 29

Solving Word Problems
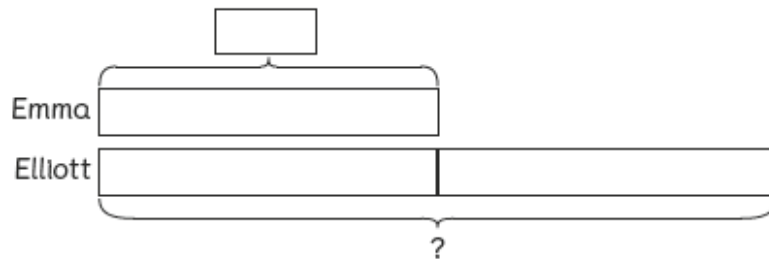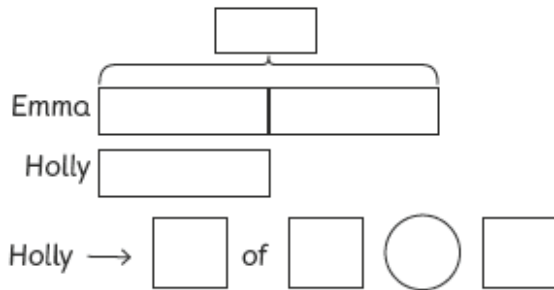Solve and fill in the blanks.

1 Elliott bought twice as many marbles as Emma bought.

Holly bought $\frac{1}{2}$ as many marbles as Emma bought.
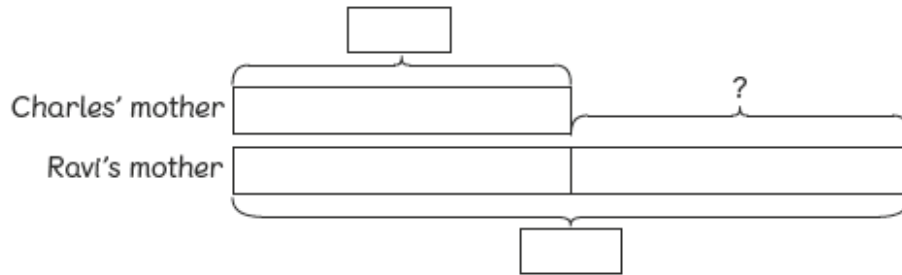
Emma bought 10 marbles. How many marbles did they buy altogether?

Emma [ ] [ ]

Holly [ ]

Holly → [ ] of [ ] ◯ [ ]

Emma [ ]

Elliott [ ] [ ]

?

Elliott → [ ] ◯ [ ] ◯ [ ]

Total → [ ] ◯ [ ] ◯ [ ] ◯ [ ]

They bought [ ] marbles altogether.

2 Ravi's mother bought 34 apples. Charles' mother bought $\frac{1}{2}$ as many apples as Ravi's mother bought.

How many more apples did Ravi's mother buy?

Charles' mother [   ] ?

Ravi's mother [   ]

Difference → [   ] of [   ] ◯ [   ]

Ravi's mother bought [   ] more apples than Charles' mother bought.

3 Lulu had $\frac{1}{2}$ as many 20p coins as Amira. Amira had thirty 20p coins.

How many 20p coins did they have altogether?

Lulu → [   ] of [   ] ◯ [   ]

Total → [   ] ◯ [   ] ◯ [   ]

They had [   ] 20p coins altogether.

ANSWERS

3

	number of sweets
Emma	6
Elliott	12
Lulu	3

6 + 12 = 18

18 + 3 = 21

6 + 12 + 3 = 21

They took 21 sweets altogether.

Guided Practice

Solve.

1 buys 10 cupcakes. buys $\frac{1}{2}$ as many cupcakes as buys.

How many cupcakes does buy? **5**

2 buys 10 cookies. buys $\frac{1}{2}$ as many cookies as buys.

(a) How many cookies does buy? **20**

(b) How many cookies do and buy altogether? **30**

3 Ravi has $\frac{1}{2}$ as many coins as Hannah has.

Hannah has 8 £2 coins.

(a) How many coins does Ravi have? **4**

(b) How much money does Ravi have? **£8**

Complete Worksheet **29** – Page **126 - 127**

Worksheet 29

Solving Word Problems
Solve and fill in the blanks.

1 Elliott bought twice as many marbles as Emma bought.

Holly bought $\frac{1}{2}$ as many marbles as Emma bought.

Emma bought 10 marbles. How many marbles did they buy altogether?

10

Emma | | |
Holly | |

Holly → 1/2 of 10 (=) 5

10

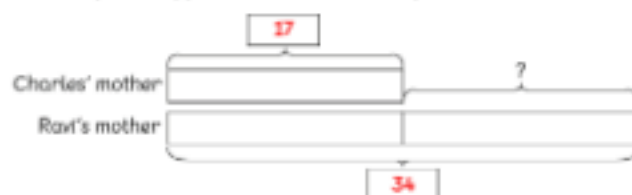Emma | |
Elliott | | |

?

Elliott → 10 (×) 2 (=) 20

Total → 20 (+) 10 (+) 5 (=) 35

They bought 35 marbles altogether.

2 Ravi's mother bought 34 apples. Charles' mother bought $\frac{1}{2}$ as many apples as Ravi's mother bought.

How many more apples did Ravi's mother buy?

	17	
Charles' mother		?
Ravi's mother		

34

Difference → [1/2] of [34] (=) [17]

Ravi's mother bought [17] more apples than Charles' mother bought.

3 Lulu had $\frac{1}{2}$ as many 20p coins as Amira. Amira had thirty 20p coins.

How many 20p coins did they have altogether?

Lulu → [1/2] of [30] (=) [15]

Total → [15] (+) [30] (=) [45]

They had [45] 20p coins altogether.