

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sticker Collection

Emma collects **8** stickers every day. She has **8** after day **1** and **16** after day **2**. How many stickers will she have after day **7**?



Rule: _____

SHOW YOUR WORK

Answer: _____ stickers



2

Library Display

A library display starts with **90** books. Every day, **9** books are checked out. How many books are left after **6** days?



Rule: _____

SHOW YOUR WORK

Answer: _____ books



3

Marble Machine

A machine starts with **3** marbles. Every run, it doubles the marbles inside. After run **1** there are **6**. How many are there after run **4**?



Rule: _____

SHOW YOUR WORK

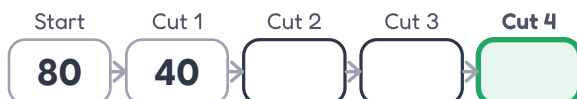
Answer: _____ marbles



4

Ribbon Cutting

A ribbon is **80** inches long. Each cut leaves a piece half as long. After **1** cut it is **40** inches. How long is it after **4** cuts?



Rule: _____

SHOW YOUR WORK

Answer: _____ inches

Pattern Word Problems

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1

Piggy Bank

Leo has **12** dollars in his piggy bank. He adds **5** dollars every week. After week **1** he has **17**. How much will he have after week **6**?

Rule: _____

SHOW YOUR WORK



Answer: _____ dollars



2

Bean Plant

A bean plant is **4** inches tall. It grows **3** inches every week. After week **1** it is **7** inches. How tall will it be after week **5**?

Rule: _____

SHOW YOUR WORK



Answer: _____ inches



3

Bake Sale

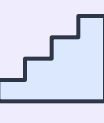
A bake sale starts with **60** cookies. Every hour, **6** cookies are sold. After hour **1** there are **54**. How many are left after hour **5**?

Rule: _____

SHOW YOUR WORK



Answer: _____ cookies



4

Stair Climb

Mia climbs **7** steps every minute. After minute **1** she has climbed **7** steps, and after minute **2**, **14**. How many steps after minute **6**?

Rule: _____

SHOW YOUR WORK



Answer: _____ steps

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Reading Stars

Sam has **10** reading stars. He earns **4** more each day. After day **1** he has **14**. How many stars will he have after day **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ stars



2

Pages Read

Ava reads **25** pages each night. After night **1** she has read **25** pages, and after night **2**, **50**. How many pages after night **7**?



Rule: _____

SHOW YOUR WORK

Answer: _____ pages



3

Copy Machine

A copy machine starts with **4** papers. Each run doubles the stack. After run **1** there are **8** papers. How many are there after run **3**?



Rule: _____

SHOW YOUR WORK

Answer: _____ papers



4

Spending Money

Kai has **72** dollars. He spends **8** dollars every week. After week **1** he has **64**. How much money is left after week **5**?



Rule: _____

SHOW YOUR WORK

Answer: _____ dollars

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sunflower

A sunflower is **10** inches tall. It grows **6** inches every week. After week **1** it is **16** inches. How tall will it be after week **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ inches



2

Cookie Jar

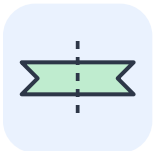
A jar holds **40** cookies. The family eats **4** cookies every day. After day **1** there are **36**. How many are left after day **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ cookies



3

Paper Chain

Zoe adds **9** links to a paper chain every day. It has **9** links after day **1** and **18** after day **2**. How many links after day **7**?



Rule: _____

SHOW YOUR WORK

Answer: _____ links



4

Cup Tower

A cup tower has **2** cups in the top row. Each row down has **3** more cups than the row above. How many cups are in row **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ cups

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sticker Collection

Emma collects **8** stickers every day. She has **8** after day **1** and **16** after day **2**. How many stickers will she have after day **7**?



Rule: _____

SHOW YOUR WORK

Answer: _____ stickers



2

Library Display

A library display starts with **90** books. Every day, **9** books are checked out. How many books are left after **6** days?



Rule: _____

SHOW YOUR WORK

Answer: _____ books



3

Marble Machine

A machine starts with **3** marbles. Every run, it doubles the marbles inside. After run **1** there are **6**. How many are there after run **4**?



Rule: _____

SHOW YOUR WORK

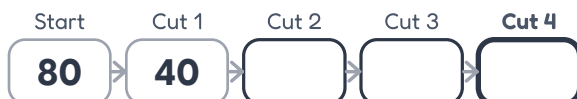
Answer: _____ marbles



4

Ribbon Cutting

A ribbon is **80** inches long. Each cut leaves a piece half as long. After **1** cut it is **40** inches. How long is it after **4** cuts?



Rule: _____

SHOW YOUR WORK

Answer: _____ inches

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Piggy Bank

Leo has **12** dollars in his piggy bank. He adds **5** dollars every week. After week **1** he has **17**. How much will he have after week **6**?

Rule: _____

SHOW YOUR WORK



Answer: _____ dollars



2

Bean Plant

A bean plant is **4** inches tall. It grows **3** inches every week. After week **1** it is **7** inches. How tall will it be after week **5**?

Rule: _____

SHOW YOUR WORK



Answer: _____ inches



3

Bake Sale

A bake sale starts with **60** cookies. Every hour, **6** cookies are sold. After hour **1** there are **54**. How many are left after hour **5**?

Rule: _____

SHOW YOUR WORK



Answer: _____ cookies



4

Stair Climb

Mia climbs **7** steps every minute. After minute **1** she has climbed **7** steps, and after minute **2**, **14**. How many steps after minute **6**?

Rule: _____

SHOW YOUR WORK



Answer: _____ steps

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Reading Stars

Sam has **10** reading stars. He earns **4** more each day. After day **1** he has **14**. How many stars will he have after day **6**?

Rule: _____

SHOW YOUR WORK



Answer: _____ stars



2

Pages Read

Ava reads **25** pages each night. After night **1** she has read **25** pages, and after night **2**, **50**. How many pages after night **7**?

Rule: _____

SHOW YOUR WORK



Answer: _____ pages



3

Copy Machine

A copy machine starts with **4** papers. Each run doubles the stack. After run **1** there are **8** papers. How many are there after run **3**?

Rule: _____

SHOW YOUR WORK



Answer: _____ papers



4

Spending Money

Kai has **72** dollars. He spends **8** dollars every week. After week **1** he has **64**. How much money is left after week **5**?

Rule: _____

SHOW YOUR WORK



Answer: _____ dollars

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sunflower

A sunflower is **10** inches tall. It grows **6** inches every week. After week **1** it is **16** inches. How tall will it be after week **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ inches



2

Cookie Jar

A jar holds **40** cookies. The family eats **4** cookies every day. After day **1** there are **36**. How many are left after day **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ cookies



3

Paper Chain

Zoe adds **9** links to a paper chain every day. It has **9** links after day **1** and **18** after day **2**. How many links after day **7**?



Rule: _____

SHOW YOUR WORK

Answer: _____ links



4

Cup Tower

A cup tower has **2** cups in the top row. Each row down has **3** more cups than the row above. How many cups are in row **6**?



Rule: _____

SHOW YOUR WORK

Answer: _____ cups

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sticker Collection

Emma collects **8** stickers every day. She has **8** after day **1** and **16** after day **2**. How many stickers will she have after day **7**?



Rule: Add 8

SHOW YOUR WORK

Answer: 56 stickers



2

Library Display

A library display starts with **90** books. Every day, **9** books are checked out. How many books are left after **6** days?



Rule: Subtract 9

SHOW YOUR WORK

Answer: 36 books



3

Marble Machine

A machine starts with **3** marbles. Every run, it doubles the marbles inside. After run **1** there are **6**. How many are there after run **4**?



Rule: Multiply by 2

SHOW YOUR WORK

Answer: 48 marbles



4

Ribbon Cutting

A ribbon is **80** inches long. Each cut leaves a piece half as long. After **1** cut it is **40** inches. How long is it after **4** cuts?



Rule: Divide by 2

SHOW YOUR WORK

Answer: 5 inches

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Piggy Bank

Leo has **12** dollars in his piggy bank. He adds **5** dollars every week. After week **1** he has **17**. How much will he have after week **6**?

Rule: Add 5

SHOW YOUR WORK

Answer: 42 dollars

2

Bean Plant

A bean plant is **4** inches tall. It grows **3** inches every week. After week **1** it is **7** inches. How tall will it be after week **5**?

Rule: Add 3

SHOW YOUR WORK

Answer: 19 inches

3

Bake Sale

A bake sale starts with **60** cookies. Every hour, **6** cookies are sold. After hour **1** there are **54**. How many are left after hour **5**?

Rule: Subtract 6

SHOW YOUR WORK

Answer: 30 cookies

4

Stair Climb

Mia climbs **7** steps every minute. After minute **1** she has climbed **7** steps, and after minute **2**, **14**. How many steps after minute **6**?

Rule: Add 7

SHOW YOUR WORK

Answer: 42 steps

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Reading Stars

Sam has **10** reading stars. He earns **4** more each day. After day **1** he has **14**. How many stars will he have after day **6**?

Rule: Add 4

SHOW YOUR WORK



Answer: 34 stars



2

Pages Read

Ava reads **25** pages each night. After night **1** she has read **25** pages, and after night **2**, **50**. How many pages after night **7**?

Rule: Add 25

SHOW YOUR WORK



Answer: 175 pages



3

Copy Machine

A copy machine starts with **4** papers. Each run doubles the stack. After run **1** there are **8** papers. How many are there after run **3**?

Rule: Multiply by 2

SHOW YOUR WORK



Answer: 32 papers



4

Spending Money

Kai has **72** dollars. He spends **8** dollars every week. After week **1** he has **64**. How much money is left after week **5**?

Rule: Subtract 8

SHOW YOUR WORK



Answer: 32 dollars

Pattern Word Problems

Find the pattern in each story. Show how you know.



1

Sunflower

A sunflower is **10** inches tall. It grows **6** inches every week. After week **1** it is **16** inches. How tall will it be after week **6**?



Rule: Add 6

SHOW YOUR WORK

Answer: 46 inches



2

Cookie Jar

A jar holds **40** cookies. The family eats **4** cookies every day. After day **1** there are **36**. How many are left after day **6**?



Rule: Subtract 4

SHOW YOUR WORK

Answer: 16 cookies



3

Paper Chain

Zoe adds **9** links to a paper chain every day. It has **9** links after day **1** and **18** after day **2**. How many links after day **7**?



Rule: Add 9

SHOW YOUR WORK

Answer: 63 links



4

Cup Tower

A cup tower has **2** cups in the top row. Each row down has **3** more cups than the row above. How many cups are in row **6**?



Rule: Add 3

SHOW YOUR WORK

Answer: 17 cups