

Science

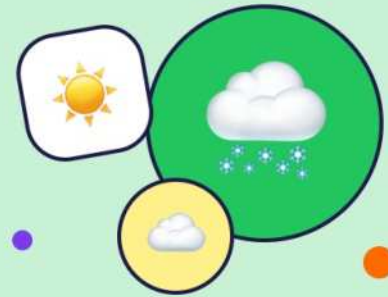
Grade 1

Groundhog Day worksheet: shadows and light

Find out when shadows form, then predict if the groundhog will see its shadow.



I can explain that a shadow forms when an object blocks light.



1



Shadow facts

Circle the right answer.

1. A shadow forms when something blocks light.
2. You can see a clear shadow on a sunny day.
3. Shadows are made of water.
4. Groundhog Day is on February 2.

True

False

True

False

True

False

True

False

2



Shadow or no shadow?

Write yes or no. Will the groundhog see a clear shadow?



Day	Weather	Clear shadow?
Monday	sunny ☀️	

Tuesday	cloudy ☁	
Wednesday	sunny ☀	
Thursday	rainy 🌧	

3 Circle it

Circle the right answer.

1. What do you need to make a shadow?

A light

B snow

2. The legend says: if the groundhog sees its shadow, winter lasts...

A 6 more weeks

B 1 more day

3. Which can make a shadow?

A a flashlight on a toy

B a dark closet

4 Count the weeks

Write the answer.

1. 6 weeks and 2 more weeks make _____ weeks.

2. There were 4 sunny days and 3 cloudy days. That is _____ days.

5 Makes light or blocks light?

Write each word in the right column.

sun

tree

flashlight

wall

lamp

umbrella

Makes light

Blocks light

6**Hop by 2s**

The groundhog hops by 2s. Write the missing numbers.

**7****Shadow sums**

Write the answer.

1. $2 + 6 =$ _____

2. $6 + 3 =$ _____

3. $10 - 6 =$ _____

4. $4 + 4 =$ _____

5. $7 - 2 =$ _____

6. $5 + 6 =$ _____

8**Where is the shadow?**

Circle the right answer.

1. The sun is in front of you. Where is your shadow?

A behind you

B in front of you

2. Which blocks light best?

A a brick wall

B a clear window

3. You turn off the flashlight. What happens to the shadow?

A It goes away.

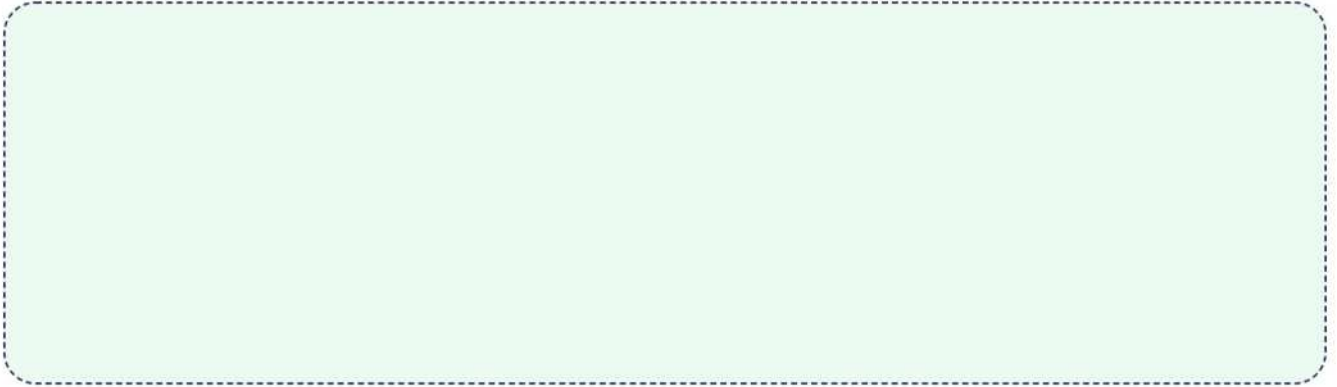
B It gets bigger.

9



Me and my shadow

Draw yourself outside on a sunny day. Draw the sun and your shadow.



How did it go?



Made with 

Science

Grade 1

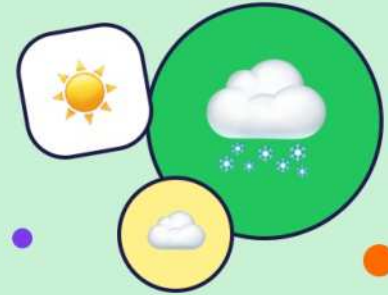
Answer key

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Shadow or no shadow?

Write yes or no. Will the groundhog see a clear shadow?



Day	Weather	Clear shadow?
Monday	sunny ☀️	yes

Tuesday	cloudy ☁	no
Wednesday	sunny ☀	yes
Thursday	rainy 🌧	no

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Circle the right answer.

1. What do you need to make a shadow?

A light

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A 6 more weeks

B 1 more day

3. Which can make a shadow?

A a flashlight on a toy

B a dark closet

4 Count the weeks

Write the answer.

1. 6 weeks and 2 more weeks make 8 weeks.

2. There were 4 sunny days and 3 cloudy days. That is 7 days.

5 Makes light or blocks light?

Write each word in the right column.

sun

tree

flashlight

wall

lamp

umbrella

Makes light

sun, flashlight, lamp

Blocks light

tree, wall, umbrella

6

**Hop by 2s**

The groundhog hops by 2s. Write the missing numbers.



7

**Shadow sums**

Write the answer.

1. $2 + 6 =$ 8

2. $6 + 3 =$ 9

3. $10 - 6 =$ 4

4. $4 + 4 =$ 8

5. $7 - 2 =$ 5

6. $5 + 6 =$ 11

8

**Where is the shadow?**

Circle the right answer.

1. The sun is in front of you. Where is your shadow?

A behind you

B in front of you

2. Which blocks light best?

A a brick wall

B a clear window

3. You turn off the flashlight. What happens to the shadow?

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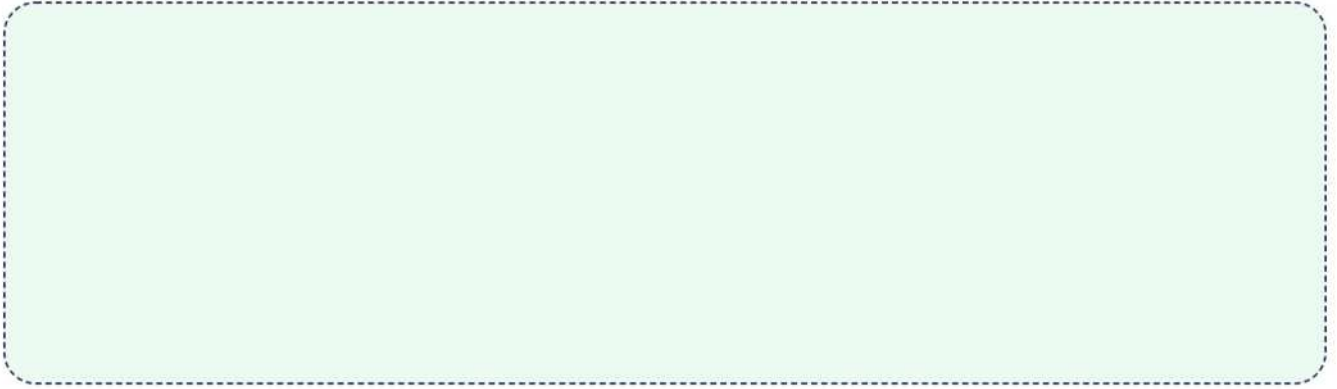
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