Finding Temperature Changes

Name:

Solve each problem.

1) Faye made herself a cup of hot chocolate that was 77°F. After she put it in the microwave the temperature rose 25°. What temperature was the hot chocolate after she heated it?

2) A news station reported that the current temperature was 40°F, but next week it would be 36° warmer. What temperature will it be next week?

3) A city in Alaska had a temperature of 70°F during the day, but at night the temperature dropped 26°. What temperature was it at night?

4) The instructions to cook a pizza say to set the oven at 340°F. If Carol set her oven at 357° F, how much warmer was her oven than the instructions said?

5) A desert in Africa had an average temperature last year of 121°F. If the average temperature this year was 15° warmer, what is the average temperature this year?

6) On Sunday it was 75°F. On Monday it was 15° warmer. What temperature was it on Monday?

7) Lana heated up a slice of pizza in the microwave. When she got the pizza out it was 134°F. If the microwave heated it up 43°, what temperature was it when she originally put the pizza in?

8) The average temperature for January was 33°F. The average temperature for February was 47°F. How much warmer was February than January?

9) When Emily went to the park at 2:30 PM it was 72°F. By the time she left it had gotten 11° cooler. What temperature was it when she left the park?

10) On Sunday it was 53°F. On Monday it was 66° F. How much did the temperature change between Sunday and Monday?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes Name: **Answer Key**

Solve each problem.

1) Faye made herself a cup of hot chocolate that was 77°F. After she put it in the microwave the temperature rose 25°. What temperature was the hot chocolate after she heated it?

2) A news station reported that the current temperature was 40°F, but next week it would be 36° warmer. What temperature will it be next week?

3) A city in Alaska had a temperature of 70°F during the day, but at night the temperature dropped 26°. What temperature was it at night?

4) The instructions to cook a pizza say to set the oven at 340°F. If Carol set her oven at 357° F, how much warmer was her oven than the instructions said?

5) A desert in Africa had an average temperature last year of 121°F. If the average temperature this year was 15° warmer, what is the average temperature this year?

6) On Sunday it was 75°F. On Monday it was 15° warmer. What temperature was it on Monday?

7) Lana heated up a slice of pizza in the microwave. When she got the pizza out it was 134°F. If the microwave heated it up 43°, what temperature was it when she originally put the pizza in?

8) The average temperature for January was 33°F. The average temperature for February was 47°F. How much warmer was February than January?

9) When Emily went to the park at 2:30 PM it was 72°F. By the time she left it had gotten 11° cooler. What temperature was it when she left the park?

10) On Sunday it was 53°F. On Monday it was 66° F. How much did the temperature change between Sunday and Monday?

Answers

1. 102°
2. 76°
3. 44°
4. 17°
5. 136°
6. 90°
7. 91°
8. 14°
9. 61°
10. 13°

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

136°	91°	76°	13°	44°
90°	14°	102°	17°	61°

1) Faye made herself a cup of hot chocolate that was 77°F. After she put it in the microwave the temperature rose 25°. What temperature was the hot chocolate after she heated it?

2) A news station reported that the current temperature was 40°F, but next week it would be 36° warmer. What temperature will it be next week?

3) A city in Alaska had a temperature of 70°F during the day, but at night the temperature dropped 26°. What temperature was it at night?

4) The instructions to cook a pizza say to set the oven at 340°F. If Carol set her oven at 357° F, how much warmer was her oven than the instructions said?

5) A desert in Africa had an average temperature last year of 121°F. If the average temperature this year was 15° warmer, what is the average temperature this year?

6) On Sunday it was 75°F. On Monday it was 15° warmer. What temperature was it on Monday?

7) Lana heated up a slice of pizza in the microwave. When she got the pizza out it was 134°F. If the microwave heated it up 43°, what temperature was it when she originally put the pizza in?

8) The average temperature for January was 33°F. The average temperature for February was 47°F. How much warmer was February than January?

9) When Emily went to the park at 2:30 PM it was 72°F. By the time she left it had gotten 11° cooler. What temperature was it when she left the park?

10) On Sunday it was 53°F. On Monday it was 66° F. How much did the temperature change between Sunday and Monday?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) The temperature inside a freezer was 27°F. After the door was left open for an hour the temperature had risen 29°. What temperature was it after the door was left open?

2) The temperature at 7:00 AM was 52°F. By 11:00 AM it had warmed up 14°. What was the temperature at 11:00 AM?

3) The temperature inside a store was 99°F. If the temperature outside the store was 29° colder, what temperature was it outside?

4) The temperature inside a store was 76°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

5) Amy measured the temperature of her soda and found that it was 78°F. After putting it in her freezer for an hour it cooled off 20°. What temperature was the soda after an hour?

6) Victor read was reading a book about a planet that was 289°F during the day and 179°F at night. What is the difference between the temperature during the day and the temperature at night?

7) Olivia set the thermostat in her house to 74°F, while the temperature outside was 84°F. How much cooler was Olivia's house then the temperature outside?

8) When Debby went to the park at 2:30 PM it was 80°F. By the time she left at 5:30 PM it was 95° F. How much did the temperature change?

9) A weather station predicted the temperature on Saturday would be 51°F. If the actual temperature was 65°F, how much warmer was it then they predicted?

10) An industrial machine is 213°F when it's being used. After being unused for an hour the machine cools down 51°. What temperature is the machine after it cools down?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) The temperature inside a freezer was 27°F. After the door was left open for an hour the temperature had risen 29°. What temperature was it after the door was left open?

2) The temperature at 7:00 AM was 52°F. By 11:00 AM it had warmed up 14°. What was the temperature at 11:00 AM?

3) The temperature inside a store was 99°F. If the temperature outside the store was 29° colder, what temperature was it outside?

4) The temperature inside a store was 76°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

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8) When Debby went to the park at 2:30 PM it was 80°F. By the time she left at 5:30 PM it was 95° F. How much did the temperature change?

9) A weather station predicted the temperature on Saturday would be 51°F. If the actual temperature was 65°F, how much warmer was it then they predicted?

10) An industrial machine is 213°F when it's being used. After being unused for an hour the machine cools down 51°. What temperature is the machine after it cools down?

Answers

1. **56°**
2. **66°**
3. **70°**
4. **87°**
5. **58°**
6. **110°**
7. **10°**
8. **15°**
9. **14°**
10. **162°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

56°	58°	14°	70°	10°
87°	162°	66°	15°	110°

1) The temperature inside a freezer was 27°F. After the door was left open for an hour the temperature had risen 29°. What temperature was it after the door was left open?

2) The temperature at 7:00 AM was 52°F. By 11:00 AM it had warmed up 14°. What was the temperature at 11:00 AM?

3) The temperature inside a store was 99°F. If the temperature outside the store was 29° colder, what temperature was it outside?

4) The temperature inside a store was 76°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

5) Amy measured the temperature of her soda and found that it was 78°F. After putting it in her freezer for an hour it cooled off 20°. What temperature was the soda after an hour?

6) Victor read was reading a book about a planet that was 289°F during the day and 179°F at night. What is the difference between the temperature during the day and the temperature at night?

7) Olivia set the thermostat in her house to 74°F, while the temperature outside was 84°F. How much cooler was Olivia's house then the temperature outside?

8) When Debby went to the park at 2:30 PM it was 80°F. By the time she left at 5:30 PM it was 95° F. How much did the temperature change?

9) A weather station predicted the temperature on Saturday would be 51°F. If the actual temperature was 65°F, how much warmer was it then they predicted?

10) An industrial machine is 213°F when it's being used. After being unused for an hour the machine cools down 51°. What temperature is the machine after it cools down?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) A scientist had a liquid that was 80°F. If he needed it to be 96°F for an experiment, how much would he need to heat it up?

2) A weather station predicted the temperature on Saturday would be 92°F. If the actual temperature was 15° colder than their prediction, what temperature was it?

3) A weather station predicted the temperature on Saturday would be 62°F. If the actual temperature was 76°F, how much warmer was it then they predicted?

4) The temperature inside a store was 74°F. If the temperature outside the store was 10° warmer, what temperature was it outside?

5) A city in Alaska had a temperature of 71°F during the day, but at night the temperature dropped 30°. What temperature was it at night?

6) Haley heated up a slice of pizza in the microwave. Before she put it in, the pizza was 56°F. If it was 98° F when she took it out, how much did the microwave heat it?

7) Maria measured the temperature of her soda and found that it was 41°F. After sitting out for an hour it had warmed 24°. What temperature was the soda after an hour?

8) Vanessa heated up a slice of pizza in the microwave. When she got the pizza out it was 156°F. If the microwave heated it up 46°, what temperature was it when she originally put the pizza in?

9) Carol set the thermostat in her house to 71°F, while the temperature outside was 86°F. How much cooler was Carol's house then the temperature outside?

10) Tom read in his science book about a planet that was 270°F during the day but at night the temperature dropped 75°. What temperature was the planet at night?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) A scientist had a liquid that was 80°F. If he needed it to be 96°F for an experiment, how much would he need to heat it up?

2) A weather station predicted the temperature on Saturday would be 92°F. If the actual temperature was 15° colder than their prediction, what temperature was it?

3) A weather station predicted the temperature on Saturday would be 62°F. If the actual temperature was 76°F, how much warmer was it then they predicted?

4) The temperature inside a store was 74°F. If the temperature outside the store was 10° warmer, what temperature was it outside?

5) A city in Alaska had a temperature of 71°F during the day, but at night the temperature dropped 30°. What temperature was it at night?

6) Haley heated up a slice of pizza in the microwave. Before she put it in, the pizza was 56°F. If it was 98° F when she took it out, how much did the microwave heat it?

7) Maria measured the temperature of her soda and found that it was 41°F. After sitting out for an hour it had warmed 24°. What temperature was the soda after an hour?

8) Vanessa heated up a slice of pizza in the microwave. When she got the pizza out it was 156°F. If the microwave heated it up 46°, what temperature was it when she originally put the pizza in?

9) Carol set the thermostat in her house to 71°F, while the temperature outside was 86°F. How much cooler was Carol's house then the temperature outside?

10) Tom read in his science book about a planet that was 270°F during the day but at night the temperature dropped 75°. What temperature was the planet at night?

Answers

1. **16°**
2. **77°**
3. **14°**
4. **84°**
5. **41°**
6. **42°**
7. **65°**
8. **110°**
9. **15°**
10. **195°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

65°	15°	41°	14°	16°
195°	84°	77°	110°	42°

1) A scientist had a liquid that was 80°F. If he needed it to be 96°F for an experiment, how much would he need to heat it up?

2) A weather station predicted the temperature on Saturday would be 92°F. If the actual temperature was 15° colder than their prediction, what temperature was it?

3) A weather station predicted the temperature on Saturday would be 62°F. If the actual temperature was 76°F, how much warmer was it then they predicted?

4) The temperature inside a store was 74°F. If the temperature outside the store was 10° warmer, what temperature was it outside?

5) A city in Alaska had a temperature of 71°F during the day, but at night the temperature dropped 30°. What temperature was it at night?

6) Haley heated up a slice of pizza in the microwave. Before she put it in, the pizza was 56°F. If it was 98° F when she took it out, how much did the microwave heat it?

7) Maria measured the temperature of her soda and found that it was 41°F. After sitting out for an hour it had warmed 24°. What temperature was the soda after an hour?

8) Vanessa heated up a slice of pizza in the microwave. When she got the pizza out it was 156°F. If the microwave heated it up 46°, what temperature was it when she originally put the pizza in?

9) Carol set the thermostat in her house to 71°F, while the temperature outside was 86°F. How much cooler was Carol's house then the temperature outside?

10) Tom read in his science book about a planet that was 270°F during the day but at night the temperature dropped 75°. What temperature was the planet at night?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) A news station reported that the current temperature was 91°F, but when the cold front came in later the temperature would drop 34°. What temperature will it be after the cold front hits?

2) The average temperature for January was 46°F. The average temperature for February was 14° colder. What was the average temperature for February?

3) A city in Alaska had a temperature of 79°F during the day, but at night the temperature dropped 21°. What temperature was it at night?

4) A desert in Africa had an average temperature last year of 112°F. If the average temperature this year is 122°F, how much warmer is it this year?

5) Carol measured the temperature of her soda and found that it was 59°F. After putting it in her freezer for an hour it cooled off 18°. What temperature was the soda after an hour?

6) A city in Alaska had a temperature of 76°F during the day, but at night the temperature dropped to 49°F. How much colder was it at night?

7) A news station reported that the current temperature was 53°F, but next week it would be 20° warmer. What temperature will it be next week?

8) A weather station predicted the temperature on Saturday would be 72°F. If the actual temperature was 84°F, how much warmer was it then they predicted?

9) When Paige went to the park at 2:30 it was 63°F. By the time she left it had gotten 18° warmer. What temperature was it when she left the park?

10) A scientist had a liquid that was 90°F. If he needed to heat it up another 19° for an experiment, what temperature was he trying to make the liquid?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) A news station reported that the current temperature was 91°F, but when the cold front came in later the temperature would drop 34°. What temperature will it be after the cold front hits?

2) The average temperature for January was 46°F. The average temperature for February was 14° colder. What was the average temperature for February?

3) A city in Alaska had a temperature of 79°F during the day, but at night the temperature dropped 21°. What temperature was it at night?

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5) Carol measured the temperature of her soda and found that it was 59°F. After putting it in her freezer for an hour it cooled off 18°. What temperature was the soda after an hour?

6) A city in Alaska had a temperature of 76°F during the day, but at night the temperature dropped to 49°F. How much colder was it at night?

7) A news station reported that the current temperature was 53°F, but next week it would be 20° warmer. What temperature will it be next week?

8) A weather station predicted the temperature on Saturday would be 72°F. If the actual temperature was 84°F, how much warmer was it then they predicted?

9) When Paige went to the park at 2:30 it was 63°F. By the time she left it had gotten 18° warmer. What temperature was it when she left the park?

10) A scientist had a liquid that was 90°F. If he needed to heat it up another 19° for an experiment, what temperature was he trying to make the liquid?

Answers

1. **57°**
2. **32°**
3. **58°**
4. **10°**
5. **41°**
6. **27°**
7. **73°**
8. **12°**
9. **81°**
10. **109°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes Name:

Solve each problem.

81°	109°	57°	41°	73°
32°	10°	58°	12°	27°

1) A news station reported that the current temperature was 91°F, but when the cold front came in later the temperature would drop 34°. What temperature will it be after the cold front hits?

2) The average temperature for January was 46°F. The average temperature for February was 14° colder. What was the average temperature for February?

3) A city in Alaska had a temperature of 79°F during the day, but at night the temperature dropped 21°. What temperature was it at night?

4) A desert in Africa had an average temperature last year of 112°F. If the average temperature this year is 122°F, how much warmer is it this year?

5) Carol measured the temperature of her soda and found that it was 59°F. After putting it in her freezer for an hour it cooled off 18°. What temperature was the soda after an hour?

6) A city in Alaska had a temperature of 76°F during the day, but at night the temperature dropped to 49°F. How much colder was it at night?

7) A news station reported that the current temperature was 53°F, but next week it would be 20° warmer. What temperature will it be next week?

8) A weather station predicted the temperature on Saturday would be 72°F. If the actual temperature was 84°F, how much warmer was it then they predicted?

9) When Paige went to the park at 2:30 it was 63°F. By the time she left it had gotten 18° warmer. What temperature was it when she left the park?

10) A scientist had a liquid that was 90°F. If he needed to heat it up another 19° for an experiment, what temperature was he trying to make the liquid?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 63°F. On Monday it was 75° F. How much did the temperature change between Sunday and Monday?

2) The instructions to cook a turkey say to set the oven at 341°F. If Rachel set her oven 10° cooler than the instructions said, what temperature did she set her oven?

3) When George went to the beach in the morning it was 75°F. When he came back in the afternoon it was 13° warmer. What temperature was it in the afternoon?

4) A desert in Africa had an average temperature last year of 110°F. If the average temperature this year is 123°F, how much warmer is it this year?

5) Vanessa heated up a slice of pizza in the microwave. Before she put it in, the pizza was 51°F. If the microwave heated it up 33°, what temperature was it when she took it out?

6) The temperature inside a freezer was 25°F. After the door was left open for an hour the temperature had risen 22°. What temperature was it after the door was left open?

7) The temperature inside a store was 63°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

8) When Jerry went to the beach in the afternoon it was 75°F. When he came back later that night it was 12° colder. What temperature was it at night?

9) The temperature at 7:00 PM was 88°F. By 11:00 PM it had cooled down 10°. What was the temperature at 11:00 PM?

10) On Sunday it was 83°F. On Monday it was 14° colder. What temperature was it on Monday?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 63°F. On Monday it was 75° F. How much did the temperature change between Sunday and Monday?

2) The instructions to cook a turkey say to set the oven at 341°F. If Rachel set her oven 10° cooler than the instructions said, what temperature did she set her oven?

3) When George went to the beach in the morning it was 75°F. When he came back in the afternoon it was 13° warmer. What temperature was it in the afternoon?

4) A desert in Africa had an average temperature last year of 110°F. If the average temperature this year is 123°F, how much warmer is it this year?

5) Vanessa heated up a slice of pizza in the microwave. Before she put it in, the pizza was 51°F. If the microwave heated it up 33°, what temperature was it when she took it out?

6) The temperature inside a freezer was 25°F. After the door was left open for an hour the temperature had risen 22°. What temperature was it after the door was left open?

7) The temperature inside a store was 63°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

8) When Jerry went to the beach in the afternoon it was 75°F. When he came back later that night it was 12° colder. What temperature was it at night?

9) The temperature at 7:00 PM was 88°F. By 11:00 PM it had cooled down 10°. What was the temperature at 11:00 PM?

10) On Sunday it was 83°F. On Monday it was 14° colder. What temperature was it on Monday?

Answers

1. **12°**
2. **331°**
3. **88°**
4. **13°**
5. **84°**
6. **47°**
7. **74°**
8. **63°**
9. **78°**
10. **69°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

69°	74°	47°	78°	331°
12°	63°	13°	88°	84°

1) On Sunday it was 63°F. On Monday it was 75° F. How much did the temperature change between Sunday and Monday?

2) The instructions to cook a turkey say to set the oven at 341°F. If Rachel set her oven 10° cooler than the instructions said, what temperature did she set her oven?

3) When George went to the beach in the morning it was 75°F. When he came back in the afternoon it was 13° warmer. What temperature was it in the afternoon?

4) A desert in Africa had an average temperature last year of 110°F. If the average temperature this year is 123°F, how much warmer is it this year?

5) Vanessa heated up a slice of pizza in the microwave. Before she put it in, the pizza was 51°F. If the microwave heated it up 33°, what temperature was it when she took it out?

6) The temperature inside a freezer was 25°F. After the door was left open for an hour the temperature had risen 22°. What temperature was it after the door was left open?

7) The temperature inside a store was 63°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

8) When Jerry went to the beach in the afternoon it was 75°F. When he came back later that night it was 12° colder. What temperature was it at night?

9) The temperature at 7:00 PM was 88°F. By 11:00 PM it had cooled down 10°. What was the temperature at 11:00 PM?

10) On Sunday it was 83°F. On Monday it was 14° colder. What temperature was it on Monday?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 79°F. On Monday it was 91° F. How much did the temperature change between Sunday and Monday?

2) When Olivia went to the park at 2:30 it was 73°F. By the time she left it had gotten 10° warmer. What temperature was it when she left the park?

3) The temperature inside a truck was 83°F. After sitting in the sun for an hour the temperature rose to 113° F. How much did the truck warm up?

4) The temperature inside a store was 60°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

5) Adam read in his science book about a planet that was 256°F during the day but at night the temperature dropped 78°. What temperature was the planet at night?

6) In July, the average temperature in Florida was 105°F, while the average temperature in California was 8° cooler. What was the average temperature in California?

7) The average temperature for January was 47°F. The average temperature for February was 18° warmer. What was the average temperature for February?

8) An industrial machine is 202°F when it's being used. After being unused for an hour the machine cools down to 146°F. How much does the machine cool down?

9) Bianca measured the temperature of her soda and found that it was 56°F. After sitting out for an hour it had warmed 13°. What temperature was the soda after an hour?

10) A news station reported that the current temperature was 85°F, but when the cold front came in later the temperature would drop 31°. What temperature will it be after the cold front hits?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 79°F. On Monday it was 91° F. How much did the temperature change between Sunday and Monday?

2) When Olivia went to the park at 2:30 it was 73°F. By the time she left it had gotten 10° warmer. What temperature was it when she left the park?

3) The temperature inside a truck was 83°F. After sitting in the sun for an hour the temperature rose to 113° F. How much did the truck warm up?

4) The temperature inside a store was 60°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

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8) An industrial machine is 202°F when it's being used. After being unused for an hour the machine cools down to 146°F. How much does the machine cool down?

9) Bianca measured the temperature of her soda and found that it was 56°F. After sitting out for an hour it had warmed 13°. What temperature was the soda after an hour?

10) A news station reported that the current temperature was 85°F, but when the cold front came in later the temperature would drop 31°. What temperature will it be after the cold front hits?

Answers

1. **12°**
2. **83°**
3. **30°**
4. **71°**
5. **178°**
6. **97°**
7. **65°**
8. **56°**
9. **69°**
10. **54°**

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

97°	54°	178°	56°	12°
83°	65°	30°	69°	71°

1) On Sunday it was 79°F. On Monday it was 91° F. How much did the temperature change between Sunday and Monday?

2) When Olivia went to the park at 2:30 it was 73°F. By the time she left it had gotten 10° warmer. What temperature was it when she left the park?

3) The temperature inside a truck was 83°F. After sitting in the sun for an hour the temperature rose to 113° F. How much did the truck warm up?

4) The temperature inside a store was 60°F. If the temperature outside the store was 11° warmer, what temperature was it outside?

5) Adam read in his science book about a planet that was 256°F during the day but at night the temperature dropped 78°. What temperature was the planet at night?

6) In July, the average temperature in Florida was 105°F, while the average temperature in California was 8° cooler. What was the average temperature in California?

7) The average temperature for January was 47°F. The average temperature for February was 18° warmer. What was the average temperature for February?

8) An industrial machine is 202°F when it's being used. After being unused for an hour the machine cools down to 146°F. How much does the machine cool down?

9) Bianca measured the temperature of her soda and found that it was 56°F. After sitting out for an hour it had warmed 13°. What temperature was the soda after an hour?

10) A news station reported that the current temperature was 85°F, but when the cold front came in later the temperature would drop 31°. What temperature will it be after the cold front hits?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) When Sarah went to the park at 2:30 it was 61°F. By the time she left it had gotten 12° warmer. What temperature was it when she left the park?

2) A weather station predicted the temperature on Saturday would be 67°F. If the actual temperature was 12° colder than their prediction, what temperature was it?

3) A desert in Africa had an average temperature last year of 109°F. If the average temperature this year is 120°F, how much warmer is it this year?

4) Emily set the thermostat in her house to 86°F, which was 12° warmer than the temperature outside. What temperature was it outside?

5) The average temperature for January was 58°F. The average temperature for February was 13° warmer. What was the average temperature for February?

6) Olivia poured a glass of tea that was 100°F. After she added some ice cubes the temperature dropped 30°. What temperature was the tea after she added the ice?

7) Maria heated up a slice of pizza in the microwave. Before she put it in, the pizza was 68°F. If the microwave heated it up 47°, what temperature was it when she took it out?

8) A news station reported that the current temperature was 123°F, but when the cold front came in later, the temperature would drop down to 86°F. How much will the cold front reduce the temperature?

9) The temperature inside a store was 70°F, while the temperature outside the store was 93° F. How much colder was it inside the store?

10) A news station reported that the current temperature was 50°F, but next week it would be 39° warmer. What temperature will it be next week?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) When Sarah went to the park at 2:30 it was 61°F. By the time she left it had gotten 12° warmer. What temperature was it when she left the park?

2) A weather station predicted the temperature on Saturday would be 67°F. If the actual temperature was 12° colder than their prediction, what temperature was it?

3) A desert in Africa had an average temperature last year of 109°F. If the average temperature this year is 120°F, how much warmer is it this year?

4) Emily set the thermostat in her house to 86°F, which was 12° warmer than the temperature outside. What temperature was it outside?

5) The average temperature for January was 58°F. The average temperature for February was 13° warmer. What was the average temperature for February?

6) Olivia poured a glass of tea that was 100°F. After she added some ice cubes the temperature dropped 30°. What temperature was the tea after she added the ice?

7) Maria heated up a slice of pizza in the microwave. Before she put it in, the pizza was 68°F. If the microwave heated it up 47°, what temperature was it when she took it out?

8) A news station reported that the current temperature was 123°F, but when the cold front came in later, the temperature would drop down to 86°F. How much will the cold front reduce the temperature?

9) The temperature inside a store was 70°F, while the temperature outside the store was 93° F. How much colder was it inside the store?

10) A news station reported that the current temperature was 50°F, but next week it would be 39° warmer. What temperature will it be next week?

Answers

1. **73°**
2. **55°**
3. **11°**
4. **74°**
5. **71°**
6. **70°**
7. **115°**
8. **37°**
9. **23°**
10. **89°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

37°	55°	89°	74°	70°
73°	23°	11°	115°	71°

1) When Sarah went to the park at 2:30 it was 61°F. By the time she left it had gotten 12° warmer. What temperature was it when she left the park?

2) A weather station predicted the temperature on Saturday would be 67°F. If the actual temperature was 12° colder than their prediction, what temperature was it?

3) A desert in Africa had an average temperature last year of 109°F. If the average temperature this year is 120°F, how much warmer is it this year?

4) Emily set the thermostat in her house to 86°F, which was 12° warmer than the temperature outside. What temperature was it outside?

5) The average temperature for January was 58°F. The average temperature for February was 13° warmer. What was the average temperature for February?

6) Olivia poured a glass of tea that was 100°F. After she added some ice cubes the temperature dropped 30°. What temperature was the tea after she added the ice?

7) Maria heated up a slice of pizza in the microwave. Before she put it in, the pizza was 68°F. If the microwave heated it up 47°, what temperature was it when she took it out?

8) A news station reported that the current temperature was 123°F, but when the cold front came in later, the temperature would drop down to 86°F. How much will the cold front reduce the temperature?

9) The temperature inside a store was 70°F, while the temperature outside the store was 93° F. How much colder was it inside the store?

10) A news station reported that the current temperature was 50°F, but next week it would be 39° warmer. What temperature will it be next week?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 88°F. On Monday it was 18° colder. What temperature was it on Monday?

2) Rachel measured the temperature of her soda and found that it was 55°F. After sitting out for an hour it had warmed 22°. What temperature was the soda after an hour?

3) An industrial machine is 177°F when it's being used. After being unused for an hour the machine cools down 46°. What temperature is the machine after it cools down?

4) Vanessa poured a glass of tea that was 94°F. After she added some ice cubes the temperature dropped 17°. What temperature was the tea after she added the ice?

5) A weather station predicted the temperature on Saturday would be 73°F. If the actual temperature was 89°F, how much warmer was it then they predicted?

6) Bianca heated up a slice of pizza in the microwave. Before she put it in, the pizza was 57°F. If it was 103° F when she took it out, how much did the microwave heat it?

7) Robin set the thermostat in her house to 80°F, which was 16° cooler than the temperature outside. What temperature was it outside?

8) On Sunday it was 57°F. On Monday it was 11° warmer. What temperature was it on Monday?

9) The temperature inside a store was 76°F, while the temperature outside the store was 100° F. How much colder was it inside the store?

10) Sarah made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 26°. What temperature was the hot chocolate after she heated it?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) On Sunday it was 88°F. On Monday it was 18° colder. What temperature was it on Monday?

2) Rachel measured the temperature of her soda and found that it was 55°F. After sitting out for an hour it had warmed 22°. What temperature was the soda after an hour?

3) An industrial machine is 177°F when it's being used. After being unused for an hour the machine cools down 46°. What temperature is the machine after it cools down?

4) Vanessa poured a glass of tea that was 94°F. After she added some ice cubes the temperature dropped 17°. What temperature was the tea after she added the ice?

5) A weather station predicted the temperature on Saturday would be 73°F. If the actual temperature was 89°F, how much warmer was it then they predicted?

6) Bianca heated up a slice of pizza in the microwave. Before she put it in, the pizza was 57°F. If it was 103° F when she took it out, how much did the microwave heat it?

7) Robin set the thermostat in her house to 80°F, which was 16° cooler than the temperature outside. What temperature was it outside?

8) On Sunday it was 57°F. On Monday it was 11° warmer. What temperature was it on Monday?

9) The temperature inside a store was 76°F, while the temperature outside the store was 100° F. How much colder was it inside the store?

10) Sarah made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 26°. What temperature was the hot chocolate after she heated it?

Answers

1. **70°**
2. **77°**
3. **131°**
4. **77°**
5. **16°**
6. **46°**
7. **96°**
8. **68°**
9. **24°**
10. **98°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes Name:

Solve each problem.

68°	96°	46°	16°	24°
131°	98°	77°	70°	77°

1) On Sunday it was 88°F. On Monday it was 18° colder. What temperature was it on Monday?

2) Rachel measured the temperature of her soda and found that it was 55°F. After sitting out for an hour it had warmed 22°. What temperature was the soda after an hour?

3) An industrial machine is 177°F when it's being used. After being unused for an hour the machine cools down 46°. What temperature is the machine after it cools down?

4) Vanessa poured a glass of tea that was 94°F. After she added some ice cubes the temperature dropped 17°. What temperature was the tea after she added the ice?

5) A weather station predicted the temperature on Saturday would be 73°F. If the actual temperature was 89°F, how much warmer was it then they predicted?

6) Bianca heated up a slice of pizza in the microwave. Before she put it in, the pizza was 57°F. If it was 103° F when she took it out, how much did the microwave heat it?

7) Robin set the thermostat in her house to 80°F, which was 16° cooler than the temperature outside. What temperature was it outside?

8) On Sunday it was 57°F. On Monday it was 11° warmer. What temperature was it on Monday?

9) The temperature inside a store was 76°F, while the temperature outside the store was 100° F. How much colder was it inside the store?

10) Sarah made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 26°. What temperature was the hot chocolate after she heated it?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) The temperature inside a store was 63°F. If the temperature outside the store was 19° warmer, what temperature was it outside?

2) Nancy made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 28°. What temperature was the hot chocolate after she heated it?

3) When Katie went to the park at 2:30 it was 64°F. By the time she left it had gotten 19° warmer. What temperature was it when she left the park?

4) The temperature inside a store was 72°F, while the temperature outside the store was 94° F. How much colder was it inside the store?

5) Janet set the thermostat in her house to 90°F, which was 18° warmer than the temperature outside. What temperature was it outside?

6) The average temperature for January was 45°F. The average temperature for February was 60°F. How much warmer was February than January?

7) A weather station predicted the temperature on Saturday would be 101°F. If the actual temperature was 18° colder than their prediction, what temperature was it?

8) A weather station predicted the temperature on Saturday would be 81°F. If the actual temperature was 99°F, how much warmer was it then they predicted?

9) The temperature inside a freezer was 10°F. After the door was left open for an hour the temperature had risen 25°. What temperature was it after the door was left open?

10) When Ned went to the beach in the afternoon it was 90°F. When he came back later that night it was 10° colder. What temperature was it at night?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) The temperature inside a store was 63°F. If the temperature outside the store was 19° warmer, what temperature was it outside?

2) Nancy made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 28°. What temperature was the hot chocolate after she heated it?

3) When Katie went to the park at 2:30 it was 64°F. By the time she left it had gotten 19° warmer. What temperature was it when she left the park?

4) The temperature inside a store was 72°F, while the temperature outside the store was 94° F. How much colder was it inside the store?

5) Janet set the thermostat in her house to 90°F, which was 18° warmer than the temperature outside. What temperature was it outside?

6) The average temperature for January was 45°F. The average temperature for February was 60°F. How much warmer was February than January?

7) A weather station predicted the temperature on Saturday would be 101°F. If the actual temperature was 18° colder than their prediction, what temperature was it?

8) A weather station predicted the temperature on Saturday would be 81°F. If the actual temperature was 99°F, how much warmer was it then they predicted?

9) The temperature inside a freezer was 10°F. After the door was left open for an hour the temperature had risen 25°. What temperature was it after the door was left open?

10) When Ned went to the beach in the afternoon it was 90°F. When he came back later that night it was 10° colder. What temperature was it at night?

Answers

1. **82°**
2. **100°**
3. **83°**
4. **22°**
5. **72°**
6. **15°**
7. **83°**
8. **18°**
9. **35°**
10. **80°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes

Name:

Solve each problem.

83°	15°	100°	35°	18°
82°	80°	72°	83°	22°

1) The temperature inside a store was 63°F. If the temperature outside the store was 19° warmer, what temperature was it outside?

2) Nancy made herself a cup of hot chocolate that was 72°F. After she put it in the microwave the temperature rose 28°. What temperature was the hot chocolate after she heated it?

3) When Katie went to the park at 2:30 it was 64°F. By the time she left it had gotten 19° warmer. What temperature was it when she left the park?

4) The temperature inside a store was 72°F, while the temperature outside the store was 94° F. How much colder was it inside the store?

5) Janet set the thermostat in her house to 90°F, which was 18° warmer than the temperature outside. What temperature was it outside?

6) The average temperature for January was 45°F. The average temperature for February was 60°F. How much warmer was February than January?

7) A weather station predicted the temperature on Saturday would be 101°F. If the actual temperature was 18° colder than their prediction, what temperature was it?

8) A weather station predicted the temperature on Saturday would be 81°F. If the actual temperature was 99°F, how much warmer was it then they predicted?

9) The temperature inside a freezer was 10°F. After the door was left open for an hour the temperature had risen 25°. What temperature was it after the door was left open?

10) When Ned went to the beach in the afternoon it was 90°F. When he came back later that night it was 10° colder. What temperature was it at night?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) Faye measured the temperature of her soda and found that it was 104°F. After putting it in her freezer for an hour it was 76°F. How much did the freezer cool her soda down?

2) Janet made herself a cup of hot chocolate that was 75°F. After she put it in the microwave the temperature rose 39°. What temperature was the hot chocolate after she heated it?

3) The temperature inside a store was 66°F, while the temperature outside the store was 96° F. How much colder was it inside the store?

4) A news station reported that the current temperature was 88°F, but when the cold front came in later the temperature would drop 35°. What temperature will it be after the cold front hits?

5) When Emily went to the park at 2:30 PM it was 79°F. By the time she left it had gotten 10° cooler. What temperature was it when she left the park?

6) Nancy set the thermostat in her house to 77°F, while the temperature outside was 96°F. How much cooler was Nancy's house then the temperature outside?

7) The temperature inside a freezer was 22°F. After the door was left open for an hour the temperature had risen 23°. What temperature was it after the door was left open?

8) Haley measured the temperature of her soda and found that it was 85°F. After putting it in her freezer for an hour it cooled off 26°. What temperature was the soda after an hour?

9) On Sunday it was 62°F. On Monday it was 15° warmer. What temperature was it on Monday?

10) The temperature inside a truck was 89°F. After sitting in the sun for an hour the temperature rose to 109° F. How much did the truck warm up?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Solve each problem.

1) Faye measured the temperature of her soda and found that it was 104°F. After putting it in her freezer for an hour it was 76°F. How much did the freezer cool her soda down?

2) Janet made herself a cup of hot chocolate that was 75°F. After she put it in the microwave the temperature rose 39°. What temperature was the hot chocolate after she heated it?

3) The temperature inside a store was 66°F, while the temperature outside the store was 96° F. How much colder was it inside the store?

4) A news station reported that the current temperature was 88°F, but when the cold front came in later the temperature would drop 35°. What temperature will it be after the cold front hits?

5) When Emily went to the park at 2:30 PM it was 79°F. By the time she left it had gotten 10° cooler. What temperature was it when she left the park?

6) Nancy set the thermostat in her house to 77°F, while the temperature outside was 96°F. How much cooler was Nancy's house then the temperature outside?

7) The temperature inside a freezer was 22°F. After the door was left open for an hour the temperature had risen 23°. What temperature was it after the door was left open?

8) Haley measured the temperature of her soda and found that it was 85°F. After putting it in her freezer for an hour it cooled off 26°. What temperature was the soda after an hour?

9) On Sunday it was 62°F. On Monday it was 15° warmer. What temperature was it on Monday?

10) The temperature inside a truck was 89°F. After sitting in the sun for an hour the temperature rose to 109° F. How much did the truck warm up?

Answers

1. **28°**
2. **114°**
3. **30°**
4. **53°**
5. **69°**
6. **19°**
7. **45°**
8. **59°**
9. **77°**
10. **20°**

1-10	90	80	70	60	50	40	30	20	10	0

Finding Temperature Changes Name:

Solve each problem.

77°	19°	45°	114°	59°
28°	20°	69°	30°	53°

1) Faye measured the temperature of her soda and found that it was 104°F. After putting it in her freezer for an hour it was 76°F. How much did the freezer cool her soda down?

2) Janet made herself a cup of hot chocolate that was 75°F. After she put it in the microwave the temperature rose 39°. What temperature was the hot chocolate after she heated it?

3) The temperature inside a store was 66°F, while the temperature outside the store was 96° F. How much colder was it inside the store?

4) A news station reported that the current temperature was 88°F, but when the cold front came in later the temperature would drop 35°. What temperature will it be after the cold front hits?

5) When Emily went to the park at 2:30 PM it was 79°F. By the time she left it had gotten 10° cooler. What temperature was it when she left the park?

6) Nancy set the thermostat in her house to 77°F, while the temperature outside was 96°F. How much cooler was Nancy's house then the temperature outside?

7) The temperature inside a freezer was 22°F. After the door was left open for an hour the temperature had risen 23°. What temperature was it after the door was left open?

8) Haley measured the temperature of her soda and found that it was 85°F. After putting it in her freezer for an hour it cooled off 26°. What temperature was the soda after an hour?

9) On Sunday it was 62°F. On Monday it was 15° warmer. What temperature was it on Monday?

10) The temperature inside a truck was 89°F. After sitting in the sun for an hour the temperature rose to 109° F. How much did the truck warm up?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0