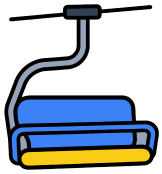
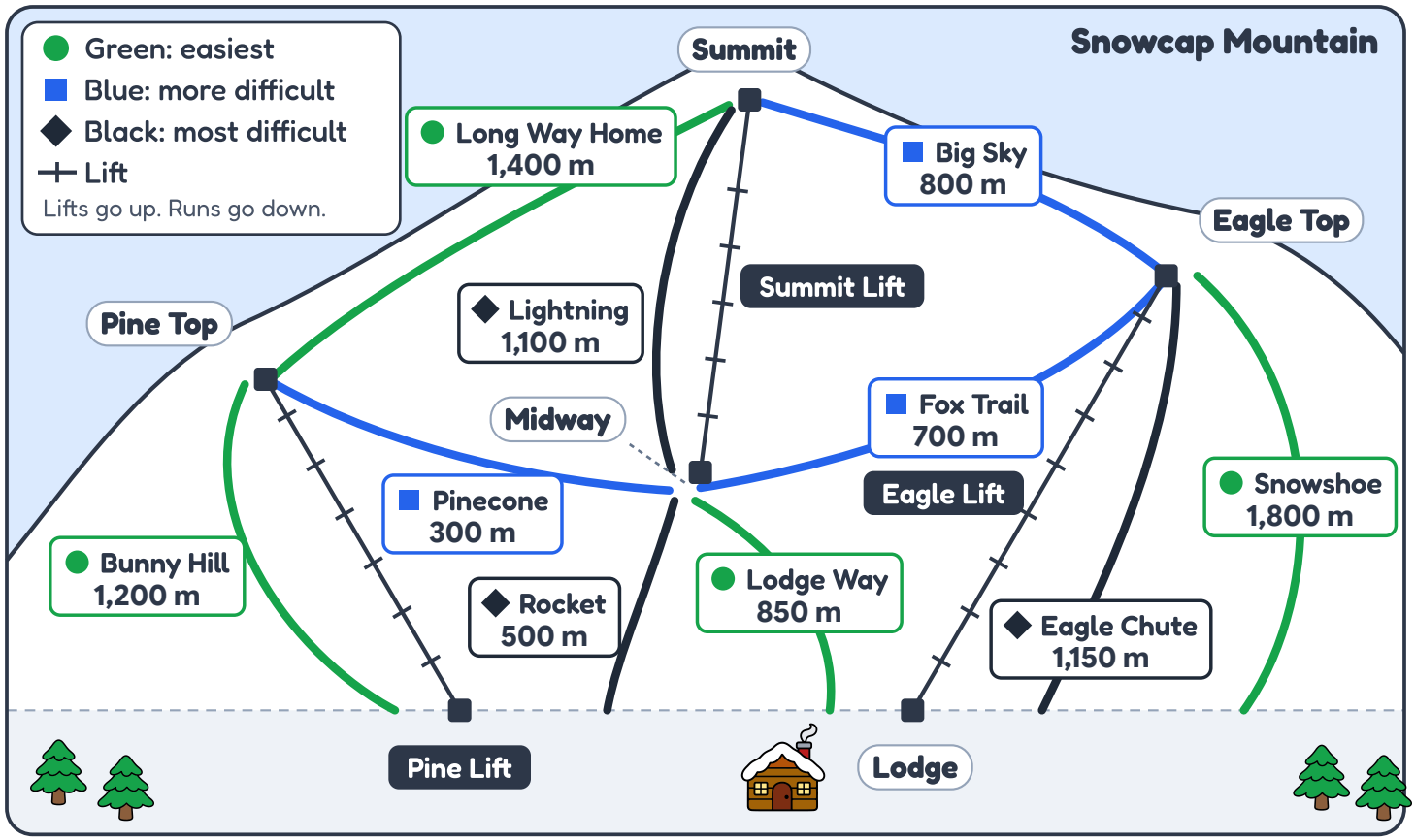
Name _____ Date _____



Ski Hill Map Math

Read the trail map of Snowcap Mountain. Then answer.



1. How long is Fox Trail? Example 700 m

2. Which run is the longest? _____

3. How many runs start at Eagle Top? _____ runs

4. Which two runs start at Pine Top? _____

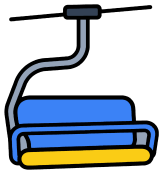
5. Ski Lightning, then Rocket. How far do you ski in all? _____ m

6. How much longer is Snowshoe than Eagle Chute? _____ m

7. How many runs are black diamonds, the most difficult? _____ runs

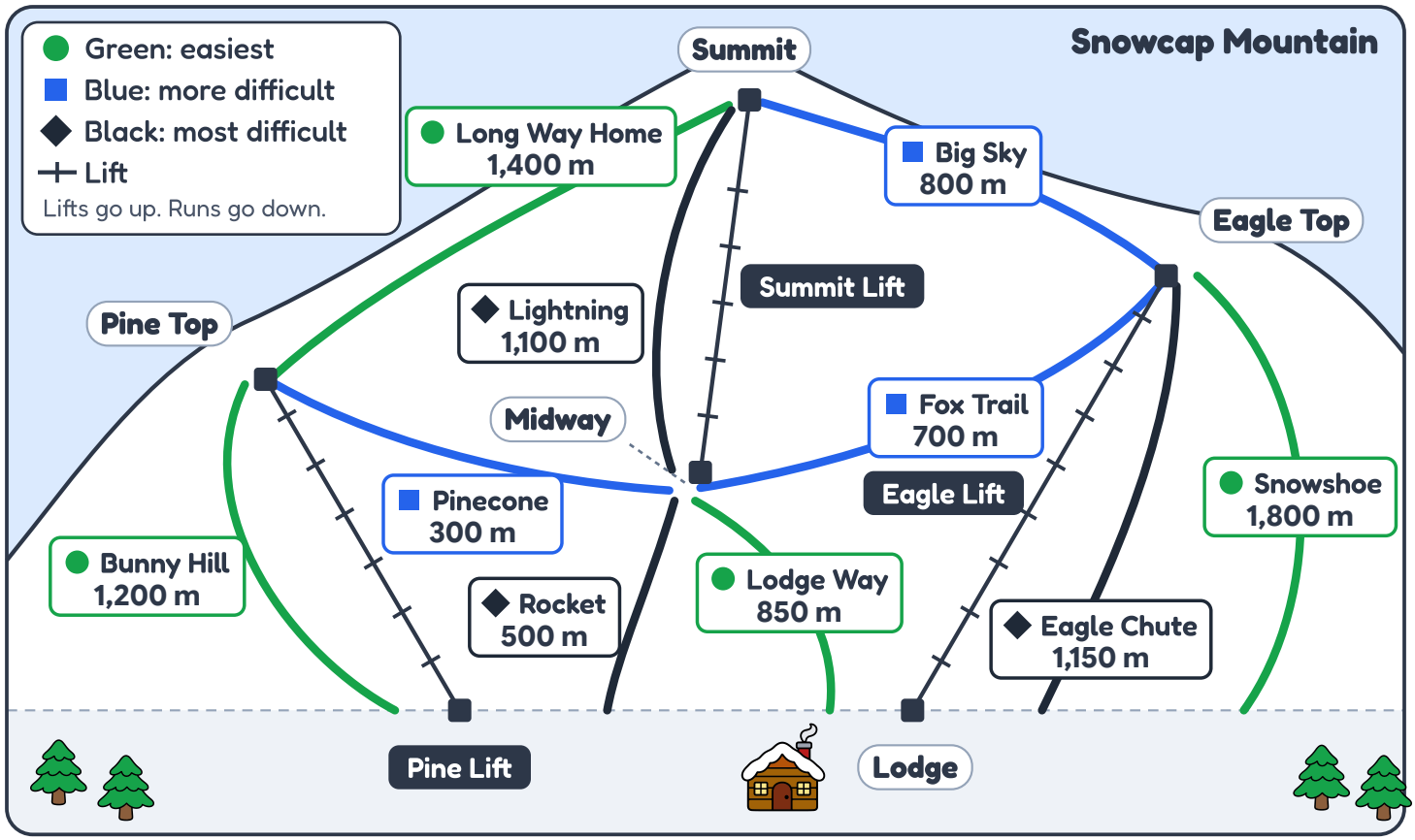
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Name _____ Date _____



Ski Hill Map Math

Follow the directions on the map. Find the best way down.



Follow the lifts and runs from the start. Where do you end up?

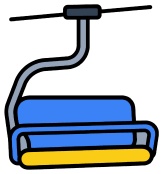
1. **Lodge** → Eagle Lift → ■ Fox Trail → Midway Example
2. **Lodge** → Pine Lift → ■ Pinecone → Summit Lift → ■ Big Sky → _____
3. **Summit** → ◆ Lightning → Summit Lift → ● Long Way Home → _____
4. **Pine Top** → ● Bunny Hill → Eagle Lift → ● Snowshoe → _____
5. Green runs only, from the Summit to the Lodge:

   Runs: _____ **Distance:** _____ m
6. The shortest way from the Summit to the Lodge on green and blue runs:

   Runs: _____ **Distance:** _____ m

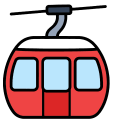
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Name _____ Date _____



Ski Hill Map Math

How long is each lift ride? Plan a morning on the hill.



A lift's speed is how many meters it moves each second. A lift **600** meters long at **2** meters each second takes **600** ÷ **2** = **300** seconds, or **5** minutes.

Lift	Length	Speed meters each second	Speed meters each minute	Ride time in seconds	Ride time in minutes
Pine Lift	**960** m	**2**	_____ m	_____ s	_____ min
Eagle Lift	**1,500** m	**5**	_____ m	_____ s	_____ min
Summit Lift	**1,260** m	**3**	_____ m	_____ s	_____ min

A morning at Snowcap Mountain: the lifts open at 9:00 a.m. Fill in the table.

	What you do	Minutes	Start	End
1	Wait in line for Eagle Lift	**6**	**9:00 a.m.**	**9:06 a.m.**
2	Ride Eagle Lift	_____	_____	_____
3	Ski Fox Trail	**9**	_____	_____
4	Ride Summit Lift	_____	_____	_____
5	Ski Lightning	**12**	_____	_____
6	Ride Summit Lift	_____	_____	_____
7	Ski Big Sky	**8**	_____	_____
8	Ski Snowshoe	**14**	_____	_____

Example

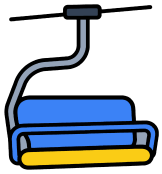
1. Which lift is the shortest, but has the longest ride? _____

2. How long is the morning, from **9:00** a.m. until you are back at the Lodge? _____

3. How many minutes do you spend riding lifts? _____ minutes

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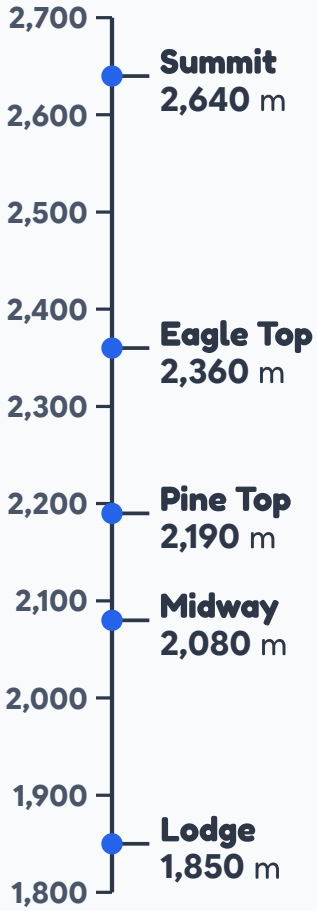
Name _____ Date _____



Ski Hill Map Math

How far up does each lift go? How far down is each run?

Height above sea level



How far down does each run drop?

Run	From	To	Drop
Big Sky	Summit	Eagle Top	**280** m
Lightning	Summit	Midway	_____ m
Eagle Chute	Eagle Top	Lodge	_____ m
Pinecone	Pine Top	Midway	_____ m
Bunny Hill	Pine Top	Lodge	_____ m
Rocket	Midway	Lodge	_____ m

Example

How far up does each lift go?

Lift	From	To	Rise
Pine Lift	Lodge	Pine Top	_____ m
Eagle Lift	Lodge	Eagle Top	_____ m
Summit Lift	Midway	Summit	_____ m

1. Which run in the table drops the most? _____

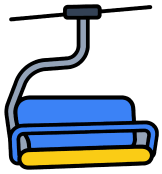
2. How far down is it from the Summit to the Lodge? _____ m

3. Lightning goes from the Summit to Midway. So do Big Sky then Fox Trail. Which way drops more? _____

4. Rocket and Lodge Way both drop **230** m. Rocket is **500** m long and Lodge Way is **850** m long. Which run is steeper? _____

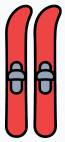
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Name _____ Date _____



Ski Hill Map Math

Use speed to find how far, how long and how fast.



Speed tells how many meters you go each second.
Distance = meters each second × seconds
Seconds = distance ÷ meters each second

A skier on Big Sky goes 9 meters each second. Fill in the table.

Seconds	1	2	3	5	10	20	30	60
Meters	9							

1. A skier goes **8** meters each second for **30** seconds. How far does the skier go?

8 × 30 = 240 meters

Example **Answer:** 240 m

2. A snowboarder goes **12** meters each second for **25** seconds. How far does the snowboarder go?

Answer: _____ m

3. Fox Trail is **700** meters long. A skier goes **7** meters each second. How many seconds does it take?

Answer: _____ seconds

4. Eagle Chute is **1,150** meters long. A skier skis it in **115** seconds. How many meters is that each second?

Answer: _____ m each second

5. Mia skis **360** meters in **40** seconds. Leo snowboards **400** meters in **50** seconds. Who goes more meters each second?

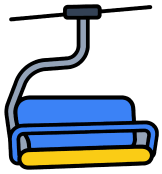
Answer: _____

6. A snow groomer moves **3** meters each second. How far does it go in **4** minutes?

Answer: _____ m

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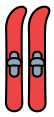
Ski Hill Map Math

Read each problem. Write the answer.

1. 

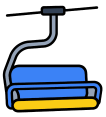
At the Lodge, a cup of hot cocoa costs $**3**. A ski club buys **24** cups. How much do they pay?

Answer: _____ dollars

2. 

Noah skis Long Way Home, which is **1,400** meters long, then Pinecone, which is **300** meters long. How far does he ski?

Answer: _____ m

3. 

Each chair on Pine Lift holds **4** skiers. In **10** minutes, **36** full chairs reach the top. How many skiers is that?

Answer: _____ skiers

4. 

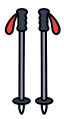
Ava rides Summit Lift **6** times. Each ride takes **7** minutes. How many minutes does she spend on the lift?

Answer: _____ minutes

5. 

The lifts open at **8:30** a.m. and close at **4:00** p.m. How long are they open?

Answer: _____ hours _____ minutes

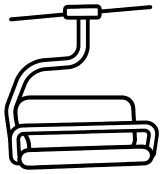
6. 

Zoe skis Eagle Chute **3** times, at **1,150** meters each, and Rocket **2** times, at **500** meters each. How far does she ski?

Answer: _____ m

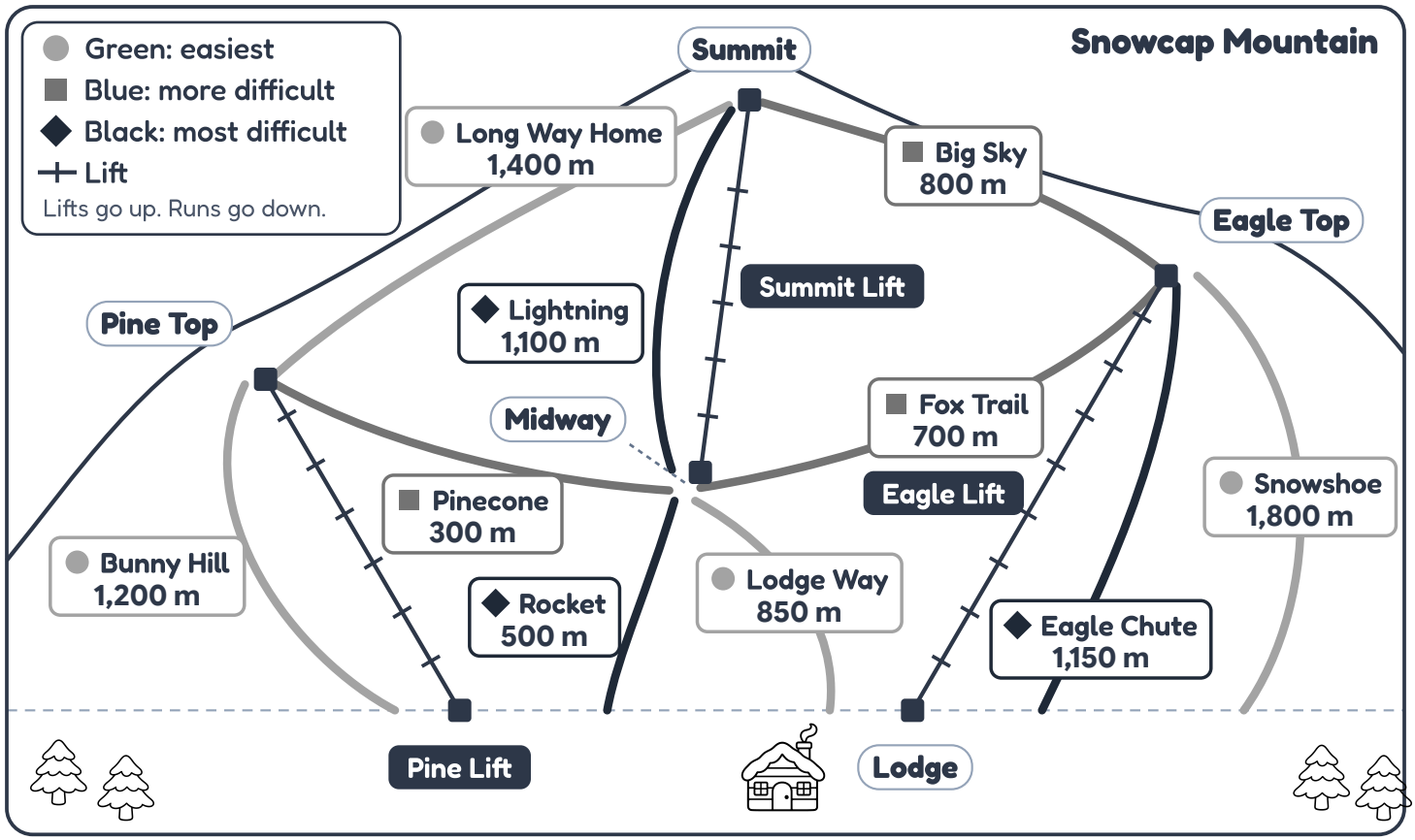
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Name _____ Date _____



Ski Hill Map Math

Read the trail map of Snowcap Mountain. Then answer.



1. How long is Fox Trail? Example **700** m

2. Which run is the longest? _____

3. How many runs start at Eagle Top? _____ runs

4. Which two runs start at Pine Top? _____

5. Ski Lightning, then Rocket. How far do you ski in all? _____ m

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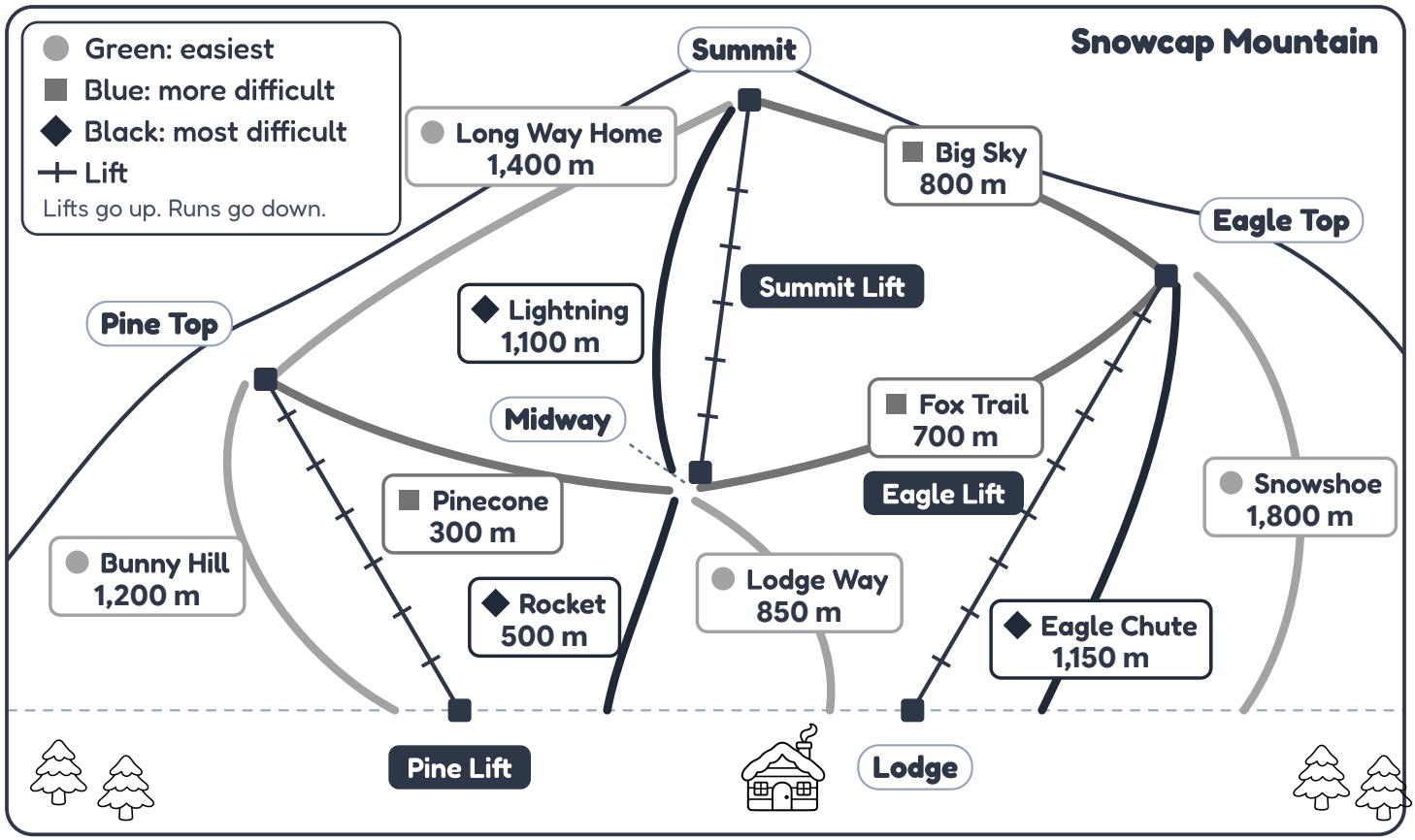
7. How many runs are black diamonds, the most difficult? _____ runs

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Name _____ Date _____

Ski Hill Map Math

Follow the directions on the map. Find the best way down.



Follow the lifts and runs from the start. Where do you end up?

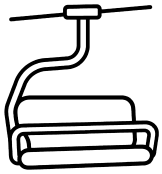
1. **Lodge** → Eagle Lift → ■ Fox Trail → **Midway** Example
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3. **Summit** → ◆ Lightning → Summit Lift → ● Long Way Home → _____
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5. Green runs only, from the Summit to the Lodge:

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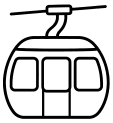
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Name _____ Date _____



Ski Hill Map Math

How long is each lift ride? Plan a morning on the hill.



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Lift	**Length**	**Speed** meters each second	**Speed** meters each minute	**Ride time** in seconds	**Ride time** in minutes
Pine Lift	**960** m	**2**	_____ m	_____ s	_____ min
Eagle Lift	**1,500** m	**5**	_____ m	_____ s	_____ min
Summit Lift	**1,260** m	**3**	_____ m	_____ s	_____ min

A morning at Snowcap Mountain: the lifts open at 9:00 a.m. Fill in the table.

	What you do	**Minutes**	**Start**	**End**
1	Wait in line for Eagle Lift	**6**	**9:00 a.m.**	**9:06 a.m.**
2	Ride Eagle Lift	_____	_____	_____
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5	Ski Lightning	**12**	_____	_____
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Example

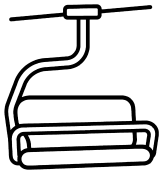
1. Which lift is the shortest, but has the longest ride? _____

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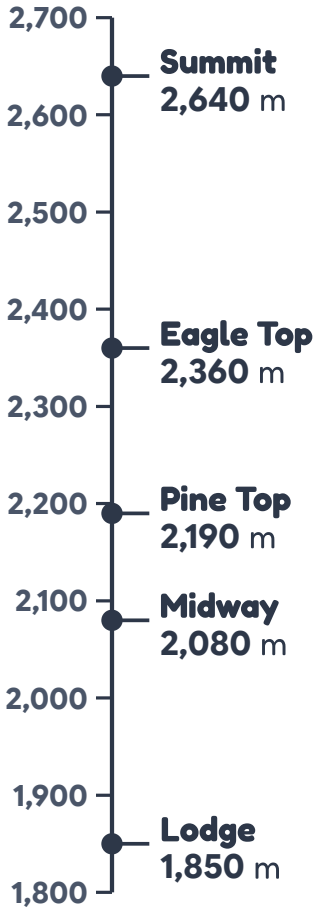
Name _____ Date _____



Ski Hill Map Math

How far up does each lift go? How far down is each run?

Height above sea level



How far down does each run drop?

Run	From	To	Drop
Big Sky	Summit	Eagle Top	**280** m
Lightning	Summit	Midway	_____ m
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Bunny Hill	Pine Top	Lodge	_____ m
Rocket	Midway	Lodge	_____ m

Example

How far up does each lift go?

Lift	From	To	Rise
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Eagle Lift	Lodge	Eagle Top	_____ m
Summit Lift	Midway	Summit	_____ m

1. Which run in the table drops the most? _____

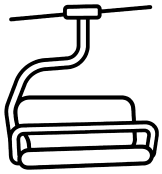
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Name _____ Date _____



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A skier on Big Sky goes 9 meters each second. Fill in the table.

Seconds	1	2	3	5	10	20	30	60
Meters	9							

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8 × 30 = 240 meters

Example **Answer:** 240 m

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Answer: _____ m

3. Fox Trail is **700** meters long. A skier goes **7** meters each second. How many seconds does it take?

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4. Eagle Chute is **1,150** meters long. A skier skis it in **115** seconds. How many meters is that each second?

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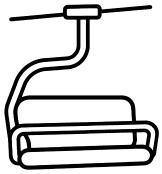
Answer: _____

6. A snow groomer moves **3** meters each second. How far does it go in **4** minutes?

Answer: _____ m

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Name _____ Date _____



Ski Hill Map Math

Read each problem. Write the answer.

1. 

At the Lodge, a cup of hot cocoa costs $**3**. A ski club buys **24** cups. How much do they pay?

Answer: _____ dollars

2. 

Noah skis Long Way Home, which is **1,400** meters long, then Pinecone, which is **300** meters long. How far does he ski?

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Each chair on Pine Lift holds **4** skiers. In **10** minutes, **36** full chairs reach the top. How many skiers is that?

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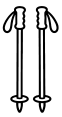
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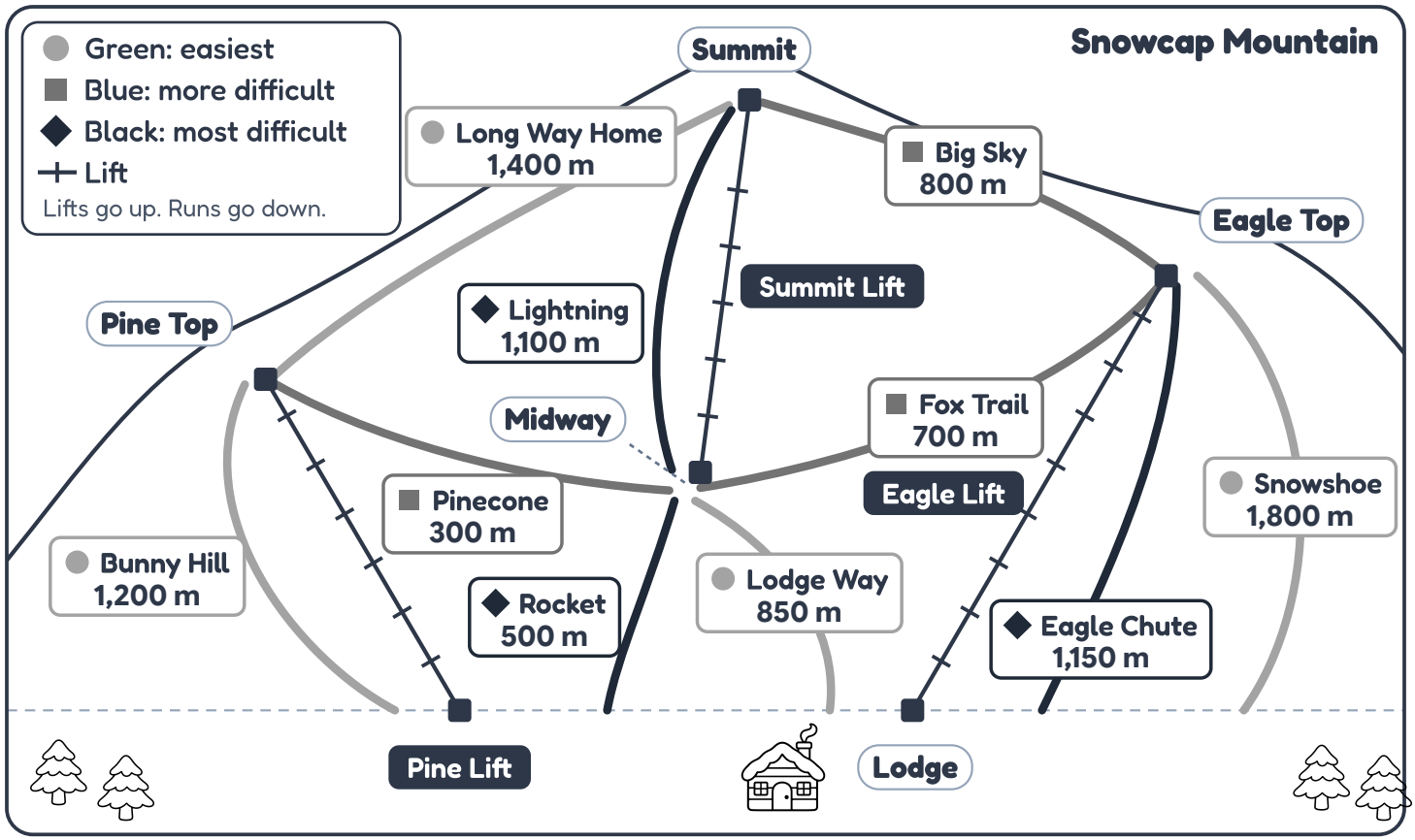
Zoe skis Eagle Chute **3** times, at **1,150** meters each, and Rocket **2** times, at **500** meters each. How far does she ski?

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Ski Hill Map Math

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2. Which run is the longest? **Snowshoe**

3. How many runs start at Eagle Top? **3** runs

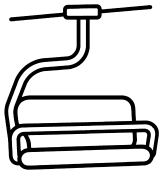
4. Which two runs start at Pine Top? **Pinecone and Bunny Hill**

5. Ski Lightning, then Rocket. How far do you ski in all? **1,600** m

6. How much longer is Snowshoe than Eagle Chute? **650** m

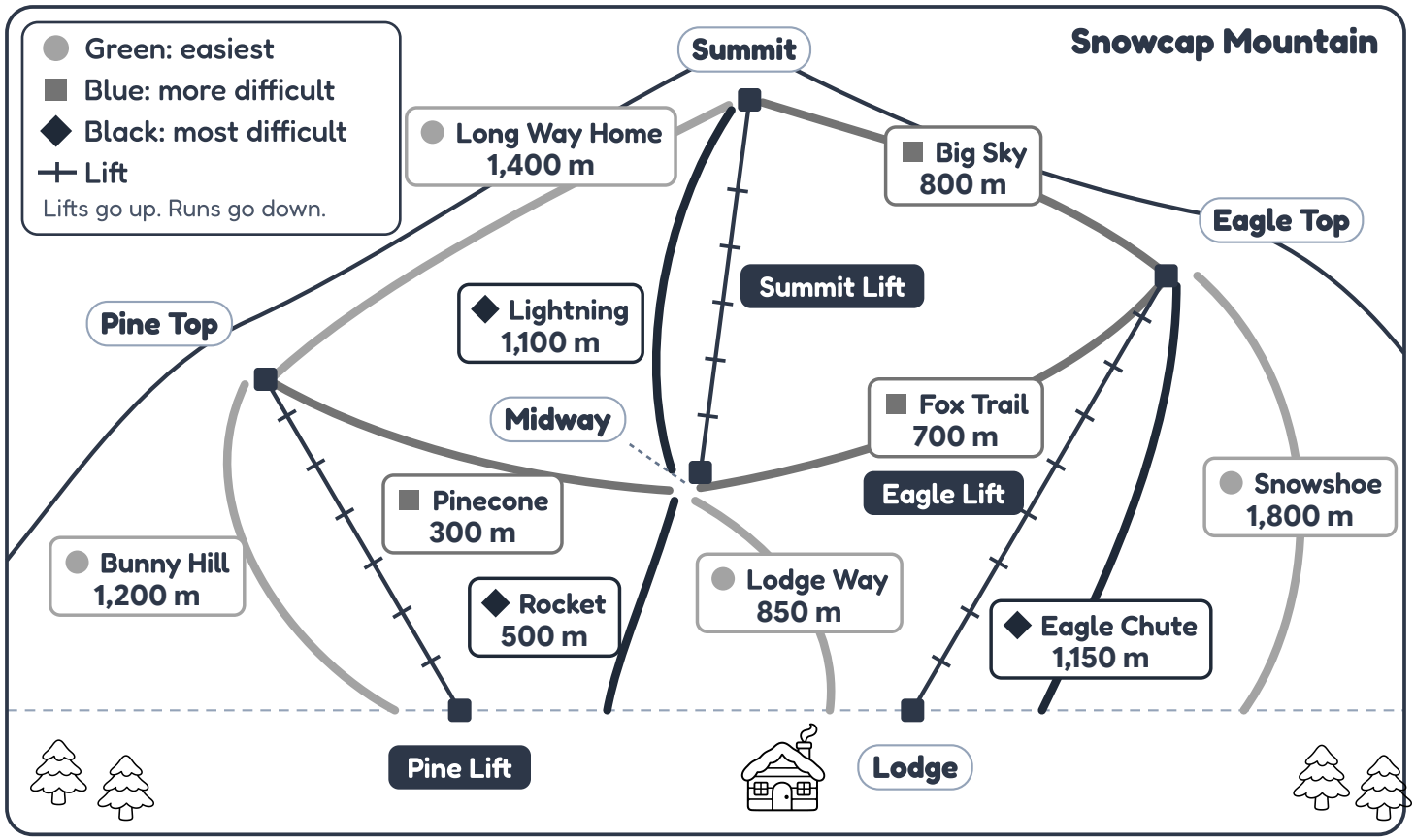
7. How many runs are black diamonds, the most difficult? **3** runs

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Ski Hill Map Math

Follow the directions on the map. Find the best way down.



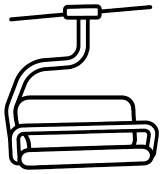
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2. **Lodge** → Pine Lift → ■ Pinecone → Summit Lift → ■ Big Sky → **Eagle Top**
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4. **Pine Top** → ● Bunny Hill → Eagle Lift → ● Snowshoe → **Lodge**
5. Green runs only, from the Summit to the Lodge:

   Runs: Long Way Home, Bunny Hill **Distance:** 2,600 m
6. The shortest way from the Summit to the Lodge on green and blue runs:

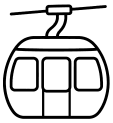
   Runs: Big Sky, Fox Trail, Lodge Way **Distance:** 2,350 m

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Ski Hill Map Math

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Lift	Length	Speed meters each second	Speed meters each minute	Ride time in seconds	Ride time in minutes
Pine Lift	**960** m	**2**	**120** m	**480** s	**8** min
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Summit Lift	**1,260** m	**3**	**180** m	**420** s	**7** min

A morning at Snowcap Mountain: the lifts open at 9:00 a.m. Fill in the table.

	What you do	Minutes	Start	End
1	Wait in line for Eagle Lift	**6**	**9:00 a.m.**	**9:06 a.m.**
2	Ride Eagle Lift	**5**	**9:06 a.m.**	**9:11 a.m.**
3	Ski Fox Trail	**9**	**9:11 a.m.**	**9:20 a.m.**
4	Ride Summit Lift	**7**	**9:20 a.m.**	**9:27 a.m.**
5	Ski Lightning	**12**	**9:27 a.m.**	**9:39 a.m.**
6	Ride Summit Lift	**7**	**9:39 a.m.**	**9:46 a.m.**
7	Ski Big Sky	**8**	**9:46 a.m.**	**9:54 a.m.**
8	Ski Snowshoe	**14**	**9:54 a.m.**	**10:08 a.m.**

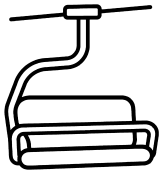
Example

1. Which lift is the shortest, but has the longest ride? **Pine Lift**

2. How long is the morning, from **9:00** a.m. until you are back at the Lodge? **1 hour 8 minutes**

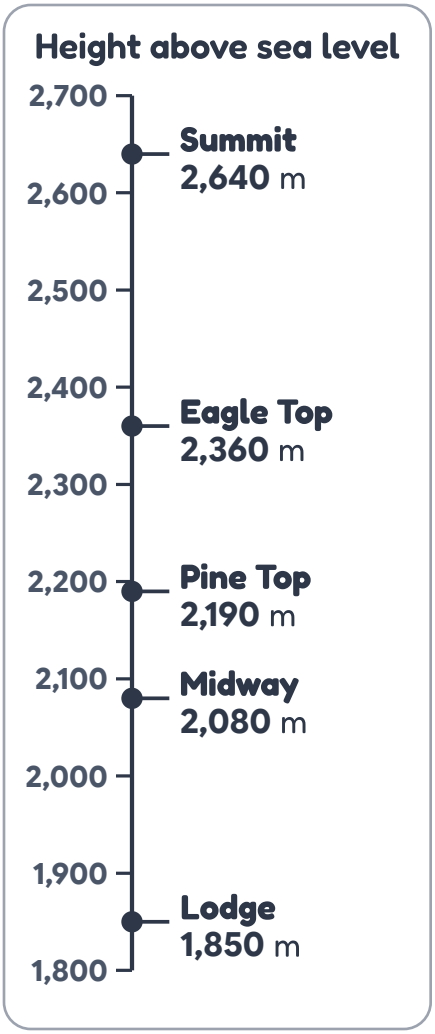
3. How many minutes do you spend riding lifts? **19** minutes

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Ski Hill Map Math

How far up does each lift go? How far down is each run?



How far down does each run drop?

Run	From	To	Drop
Big Sky	Summit	Eagle Top	**280** m
Lightning	Summit	Midway	**560** m
Eagle Chute	Eagle Top	Lodge	**510** m
Pinecone	Pine Top	Midway	**110** m
Bunny Hill	Pine Top	Lodge	**340** m
Rocket	Midway	Lodge	**230** m

Example

How far up does each lift go?

Lift	From	To	Rise
Pine Lift	Lodge	Pine Top	**340** m
Eagle Lift	Lodge	Eagle Top	**510** m
Summit Lift	Midway	Summit	**560** m

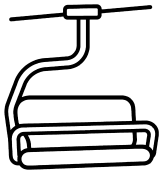
1. Which run in the table drops the most? **Lightning**

2. How far down is it from the Summit to the Lodge? **790** m

3. Lightning goes from the Summit to Midway. So do Big Sky then Fox Trail. Which way drops more? **They drop the same**

4. Rocket and Lodge Way both drop **230** m. Rocket is **500** m long and Lodge Way is **850** m long. Which run is steeper? **Rocket**

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Ski Hill Map Math

Use speed to find how far, how long and how fast.



Speed tells how many meters you go each second.
Distance = meters each second × seconds
Seconds = distance ÷ meters each second

A skier on Big Sky goes 9 meters each second. Fill in the table.

Seconds	1	2	3	5	10	20	30	60
Meters	9	18	27	45	90	180	270	540

1. A skier goes **8** meters each second for **30** seconds. How far does the skier go?

8 × 30 = 240 meters

Example **Answer:** 240 m

2. A snowboarder goes **12** meters each second for **25** seconds. How far does the snowboarder go?

Answer: 300 m

3. Fox Trail is **700** meters long. A skier goes **7** meters each second. How many seconds does it take?

Answer: 100 seconds

4. Eagle Chute is **1,150** meters long. A skier skis it in **115** seconds. How many meters is that each second?

Answer: 10 m each second

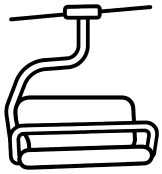
5. Mia skis **360** meters in **40** seconds. Leo snowboards **400** meters in **50** seconds. Who goes more meters each second?

Answer: Mia

6. A snow groomer moves **3** meters each second. How far does it go in **4** minutes?

Answer: 720 m

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Ski Hill Map Math

Read each problem. Write the answer.

1. 

At the Lodge, a cup of hot cocoa costs $**3**. A ski club buys **24** cups. How much do they pay?

Answer: 72 dollars

2. 

Noah skis Long Way Home, which is **1,400** meters long, then Pinecone, which is **300** meters long. How far does he ski?

Answer: 1,700 m

3. 

Each chair on Pine Lift holds **4** skiers. In **10** minutes, **36** full chairs reach the top. How many skiers is that?

Answer: 144 skiers

4. 

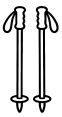
Ava rides Summit Lift **6** times. Each ride takes **7** minutes. How many minutes does she spend on the lift?

Answer: 42 minutes

5. 

The lifts open at **8:30** a.m. and close at **4:00** p.m. How long are they open?

Answer: 7 hours 30 minutes

6. 

Zoe skis Eagle Chute **3** times, at **1,150** meters each, and Rocket **2** times, at **500** meters each. How far does she ski?

Answer: 4,450 m

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