POLE MOUNTAIN LEARNING · PRINTABLE · NO DEVICE NEEDED

Bike Park Fractions: Park 1 of 4

Bike Park Loop · Grade 3



Name or class code _____ Date _____

Your trip

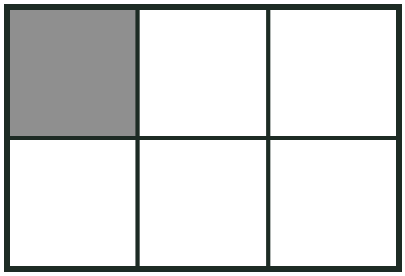
1. Solve each checkpoint. Show your thinking in the space beside the question.
2. Circle, write or fill in your answer on the question itself, then mark that checkpoint on the trip map.
3. Checkpoint 5 has two parts. Answer Part A, then Part B.
4. Your teacher checks each checkpoint. If you missed one, your teacher gives you the clue and you try again. Keep your first answer; write the new one beside it with a star (★).

1	2	3	4	5
Start Trail	**Wooden Ramp**	**Whale Jump**	**Skinny Bridge**	**Pump Track & Finish**
☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ A done ☐ B done ☐ fixed ★

1 Start Trail

Fraction meaning

The picture represents one whole sign.



One whole sign

What fraction of the whole sign is shaded?

Ⓐ $\frac{1}{6}$

Ⓑ $\frac{1}{3}$

Ⓒ $\frac{5}{6}$

(2) Wooden Ramp

Fraction meaning

Each equal piece is one part of the same whole sign.

One whole sign



How many eighths are shaded? Write the top number for the shaded fraction.

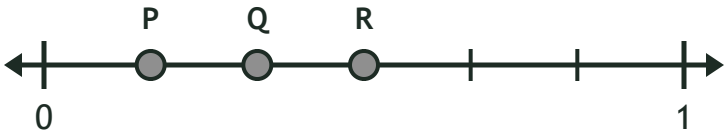
Answer: _____ shaded parts

Write a whole number.

(3) Whale Jump

Fractions on a number line

The number line shows one whole practice lap.



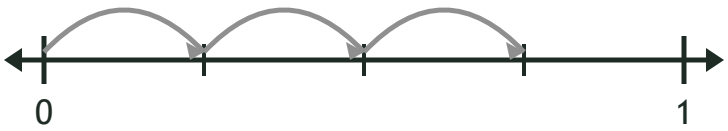
Which marker is one sixth of a lap from 0?

(A) Marker Q
(B) Marker P
(C) Marker R

(4) Skinny Bridge

Fractions on a number line

Each arrow is one equal jump along the practice lap.



Where do the jumps end?

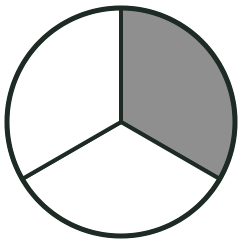
Circle one choice in the box.

The jumps end at [$\frac{3}{4}$ / $\frac{1}{4}$ / $\frac{4}{4}$] of a lap from 0.

5 Pump Track & Finish

Equivalent fractions

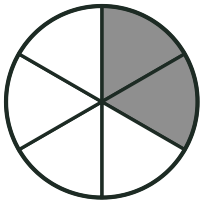
The reference circle and all the choices represent equal-size whole signs.

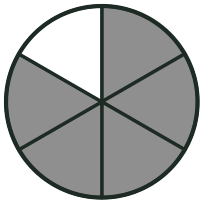


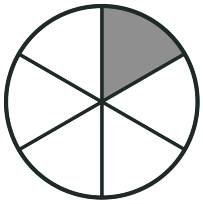
Reference circle

Part A

Which circle has the same shaded amount as the reference circle?

A 

B 

C 

Part B

How many sixths fit in one third of the reference circle?

Circle one choice in the box.

One third covers [1 / 2 / 3] sixths.

Trick Talk (bonus, not scored): backflip

In a **backflip**, the rider and bike rotate backward through one complete turn in the air before landing.

Which direction does the rider rotate in a backflip?

_____

_____

POLE MOUNTAIN LEARNING · PRINTABLE · NO DEVICE NEEDED

Bike Park Fractions: Park 2 of 4

Forest Flow · Grade 3



Name or class code _____ Date _____

Your trip

1. Solve each checkpoint. Show your thinking in the space beside the question.
2. Circle, write or fill in your answer on the question itself, then mark that checkpoint on the trip map.
3. Checkpoint 5 has two parts. Answer Part A, then Part B.
4. Your teacher checks each checkpoint. If you missed one, your teacher gives you the clue and you try again. Keep your first answer; write the new one beside it with a star (★).

① Timber Deck	② Forest Berm	③ Big Ramps	④ Plank Bridge	⑤ Round Mound
☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ A done ☐ B done ☐ fixed ★

① Timber Deck

Equivalent fractions

The cards describe fractions of the same whole practice lap.

One whole lap



Choose exactly two labels equal to $\frac{1}{2}$ of a lap.

- A $\frac{3}{6}$
- B $\frac{2}{4}$
- C $\frac{1}{4}$
- D $\frac{2}{3}$

2 Forest Berm

Whole numbers as fractions

On the number line, each step from one whole number to the next is one lap.



Write 2 laps as a fraction with 4 on the bottom. What is the top number?

Answer: _____ parts

Write a whole number.

3 Big Ramps

Compare fractions

Each comparison uses the same whole lap. The picture shows the first comparison.

First distance



Second distance



Put the correct comparison symbol between the two distances.

Write <, > or = in each circle.

$\frac{3}{8}$ ◯ $\frac{5}{8}$ $\frac{2}{3}$ ◯ $\frac{4}{6}$

4 Plank Bridge

Compare fractions

Each card uses the same whole practice lap.

Lap card 1/2



Lap card 1/8



Lap card 1/4



Arrange these lap cards from shortest distance to longest.

Write each card in a box.

$\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{4}$

Shortest	Middle	Longest

5 Round Mound

Compare fractions

The first practice distance is $\frac{2}{3}$ of a lap. The second is $\frac{2}{6}$ of a lap. Both use the same whole lap.

First lap split



Second lap split



Part A

Which distance is greater?

(A) $\frac{2}{6}$

(B) The distances are equal.

(C) $\frac{2}{3}$

Part B

Which pair of strips shows both distances correctly?

(A) **First distance**



Second distance



(B) **First distance**



Second distance



(C) **First distance**



Second distance



Trick Talk (bonus, not scored): berm

A **berm** is a banked turn. The outside edge is higher than the inside edge. The slope supports the rider as they lean into the turn, helping them carry speed through the corner.

How does the raised outside edge of a berm help a rider?

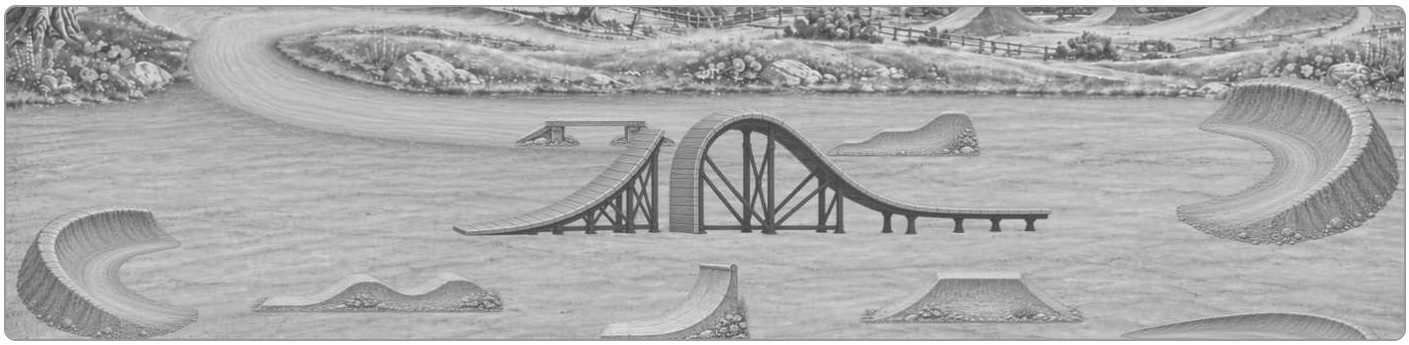
_____

_____

POLE MOUNTAIN LEARNING · PRINTABLE · NO DEVICE NEEDED

Bike Park Fractions: Park 3 of 4

Community Jump Park · Grade 3



Name or class code _____ Date _____

Your trip

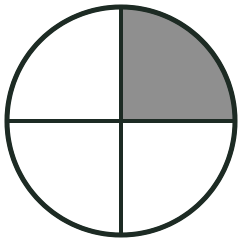
1. Solve each checkpoint. Show your thinking in the space beside the question.
2. Circle, write or fill in your answer on the question itself, then mark that checkpoint on the trip map.
3. Checkpoint 5 has two parts. Answer Part A, then Part B.
4. Your teacher checks each checkpoint. If you missed one, your teacher gives you the clue and you try again. Keep your first answer; write the new one beside it with a star (★).

① Skinny Bridge	② Right Berm	③ Whale Jump	④ Clay Rollers	⑤ Tabletop
☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ A done ☐ B done ☐ fixed ★

① Skinny Bridge

Fraction meaning

The picture represents one whole sign.



One whole sign

What fraction of the whole sign is shaded?

Ⓐ $\frac{3}{4}$

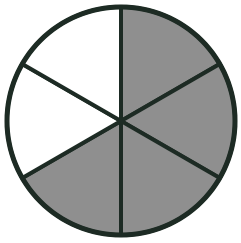
Ⓑ $\frac{1}{4}$

Ⓒ $\frac{1}{2}$

2 Right Berm

Fraction meaning

Each equal piece is one part of the same whole sign.



One whole sign

How many sixths are shaded? Write the top number for the shaded fraction.

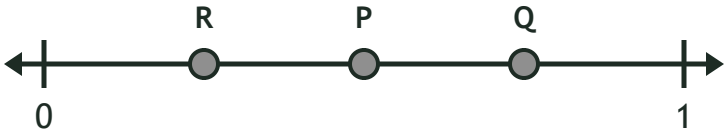
Answer: _____ shaded parts

Write a whole number.

3 Whale Jump

Fractions on a number line

The number line shows one whole practice lap.



Which marker is one fourth of a lap from 0?

(A) Marker R
(B) Marker P
(C) Marker Q

4 Clay Rollers

Fractions on a number line

Each arrow is one equal jump along the practice lap.



Where do the jumps end?

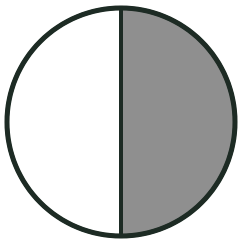
Circle one choice in the box.

The jumps end at [$\frac{1}{3}$ / $\frac{3}{3}$ / $\frac{2}{3}$] of a lap from 0.

5 Tabletop

Equivalent fractions

The reference circle and all the choices represent equal-size whole signs.

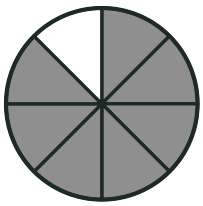


Reference circle

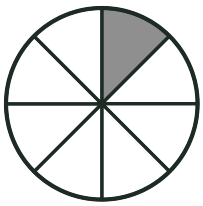
Part A

Which circle has the same shaded amount as the reference circle?

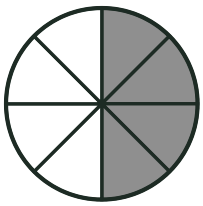
A



B



C



Part B

How many eighths fit in one half of the reference circle?

Circle one choice in the box.

One half covers [2 / 3 / 4] eighths.

Trick Talk (bonus, not scored): tabletop

A **tabletop** is a jump with a flat deck between the takeoff and the landing. If a rider comes up short, the wheels can land on the flat deck.

What sits between the takeoff and landing of a tabletop jump?

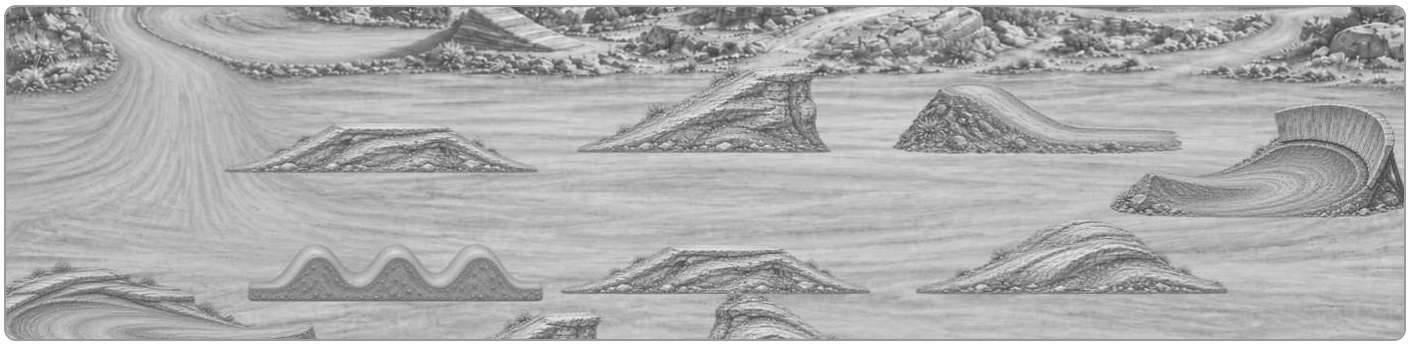
_____

_____

POLE MOUNTAIN LEARNING · PRINTABLE · NO DEVICE NEEDED

Bike Park Fractions: Park 4 of 4

Moab Slickrock · Grade 3



Name or class code _____ Date _____

Your trip

1. Solve each checkpoint. Show your thinking in the space beside the question.
2. Circle, write or fill in your answer on the question itself, then mark that checkpoint on the trip map.
3. Checkpoint 5 has two parts. Answer Part A, then Part B.
4. Your teacher checks each checkpoint. If you missed one, your teacher gives you the clue and you try again. Keep your first answer; write the new one beside it with a star (★).

1	2	3	4	5
Hilltop Trail	**Slickrock Curve**	**Sandstone Gap**	**Banked Wall**	**Red Rock Rollers**
☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ done ☐ fixed ★	☐ A done ☐ B done ☐ fixed ★

1 Hilltop Trail

Equivalent fractions

The cards describe fractions of the same whole practice lap.

One whole lap



Choose exactly two labels equal to $\frac{1}{2}$ of a lap.

- A $\frac{4}{8}$
- B $\frac{3}{8}$
- C $\frac{1}{3}$
- D $\frac{2}{4}$

2 Slickrock Curve

Whole numbers as fractions

On the number line, each step from one whole number to the next is one lap.



Write 3 laps as a fraction with 2 on the bottom. What is the top number?

Answer: _____ parts

Write a whole number.

3 Sandstone Gap

Compare fractions

Both distances refer to the same whole lap.

First distance



Second distance



Put the correct comparison symbol between the two distances.

Write <, > or = in the circle.

$\frac{5}{6}$ ◯ $\frac{1}{6}$

4 Banked Wall

Compare fractions

Each card uses the same whole practice lap.

Lap card 2/6



Lap card 2/3



Lap card 2/4



Arrange these lap cards from shortest distance to longest.

Write each card in a box.

$\frac{2}{6}$ $\frac{2}{3}$ $\frac{2}{4}$

Shortest	Middle	Longest

5 Red Rock Rollers

Compare fractions

The first practice distance is $\frac{3}{4}$ of a lap. The second is $\frac{3}{8}$ of a lap. Both use the same whole lap.

First lap split



Second lap split



Part A

Which distance is greater?

(A) $\frac{3}{4}$

(B) $\frac{3}{8}$

(C) The distances are equal.

Part B

Which pair of strips shows both distances correctly?

(A) **First distance**



Second distance



(B) **First distance**



Second distance



(C) **First distance**



Second distance



Trick Talk (bonus, not scored): slickrock

Slickrock is smooth, bare sandstone. In Moab, Utah, riders ride right on top of it. The name is a joke from long ago: horseshoes slid on it, but its rough surface grips bike tires well.

Why can bike riders climb slickrock without sliding?

_____

_____