

Touchdown Trail

Move the ball up a 100-yard field with addition and subtraction. Read own and opp yard lines, chase first downs, and find the path to a touchdown. All teams are made up!

Name _____

Date _____

FIELD TOOLKIT

Yard line

where the ball is right now

1st down

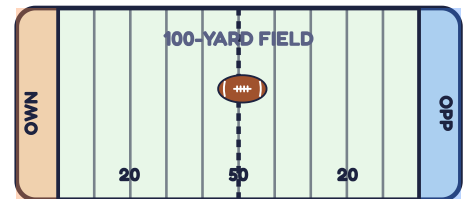
gain 10 yards for a new set

Gain / Loss

add yards or subtract yards

TD

reach the goal line to score



ROOKIE

- 1 The **Thunder Hawks** start on their **own 20** and gain **15** yards. What yard line are they on now?

WORK SPACE

ROOKIE

- 2 The **Coral Crabs** start on their **own 40** and gain **10** yards. What yard line is that?

WORK SPACE

STARTER

- 3 The **Maple Moose** are on the **Solar Sparks' 35** (opp 35). How many yards to a touchdown?

WORK SPACE

_____ yd

STARTER

- 4 The **Wave Riders** gain **8** yards from their **own 25**. New yard line?

WORK SPACE

PRO

- 5 The **Pine Panthers** lose **5** yards from their **own 40**. New yard line?

WORK SPACE

PRO

- 6 From midfield (**50**), **Tess Brody** runs **22** yards toward the Coral Crabs' end zone. What yard line is she on?

WORK SPACE

ALL-STAR

- 7 A first down needs **10** yards. Ball on the **own 45**. After a **6**-yard gain, how many yards are still needed?

WORK SPACE

_____ yd

CHALLENGE ★

- 8 Drive trail: start **own 30**. Plays: **+9, +6, -4, +20**. Where is the ball at the end? How many yards to a TD?

WORK SPACE

line _____ • TD _____ yd

A Drive Chart

Follow one Thunder Hawks drive play by play. Add gains and subtract losses.

PLAY	START	GAIN/LOSS	END
1	Own 15	+8	
2		+12	
3		-5	
4		+20	

1 Fill in the blank Start and End boxes in the chart.

2 After play 4, are the Hawks past midfield? (Yes / No)

3 What is the net yards gained on this whole drive?

4 From the 50, how many yards to a touchdown?

Thunder Hawks drive. Fill each **End** yard line. For plays 2–4, the start is the end of the play before it.

B First-Down Check

A first down needs 10 yards (or whatever is left on the down marker). Check each play.

#	NEED	GAIN	1ST DOWN?	STILL NEED
A	10	12		
B	10	4		
C	7	7		
D	3	1		
E	10	0		

1 Fill every blank in the First-Down Check table.

2 Which plays (A–E) earned a new first down?

3 To earn **two** first downs in a row (10 + 10), what is the fewest total yards you must gain?

Write **Yes** or **No** for a first down. If No, write how many yards are still needed (Need – Gain).

C Multi-Step Trail

Cross midfield carefully: after the 50, yard numbers count down toward the end zone.

1 **Leo Quinn** (Wave Riders) starts at the **own 10** and gains **40** yards on one play. What yard line is the ball on?

WORK SPACE

2 **Nora Vale** (Maple Moose) is on the **opp 40**. She gains **25** yards. New yard line? How many yards left to a TD?

WORK SPACE

line _____ · _____ yd

3 **Jax Moon** (Pine Panthers): start **own 45**, lose **8**, then gain **30**. Final yard line? Yards to a TD?

WORK SPACE

line _____ · _____ yd

Answer Key (for teachers & parents)

Answers for **Touchdown Trail**, with the work shown where it helps. Print pages 1 and 2 for students, and keep this page for checking.

Page 1 Problems

- Own 35** ($20 + 15$)
- 50** (midfield)
- 35 yd** (opp 35 → goal)
- Own 33** ($25 + 8$)
- Own 35** ($40 - 5$)
- Opp 28** ($50 - 22$)
- 4 yd** ($10 - 6$)
- Opp 39 • 39 yd** ($30 + 9 + 6 - 4 + 20 = 61 \rightarrow$ opp 39)

A • Drive Chart

- Ends:** Own 23, Own 35, Own 30, 50
- No** (exactly at the 50)
- 35 yd** ($8 + 12 - 5 + 20$)
- 50 yd** (half the field)

B • First-Down Check

- Table:**
A Yes/0 • B No/6 • C Yes/0 • D No/2 • E No/10
- A and C** (gains met the need)
- 20 yd** ($10 + 10$)

C • Multi-Step Trail

- 50** (own $10 + 40$)
- Opp 15 • 15 yd** ($40 - 25$)
- Opp 33 • 33 yd** ($45 - 8 + 30 = 67 \rightarrow$ opp 33)

Quick score

Page 1 problems	_____ / 8
A • Drive Chart	_____ / 4
B • First-Down Check	_____ / 3
C • Multi-Step Trail	_____ / 3
Total	_____ / 18

Skills practiced

- Addition
- Subtraction
- Field position
- First downs
- Comparing distances
- Multi-step problems

Teaching tip: Remind kids that once a drive crosses the 50, the yard numbers count down toward the end zone (opp 40, opp 30, ...). A touchdown is 0 yards left — the goal line.