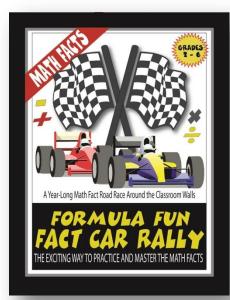
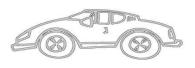


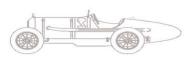
A Year-Long Math Fact Road Race Around the Classroom Walls

FORMULA FUN FACT CAR RALLY

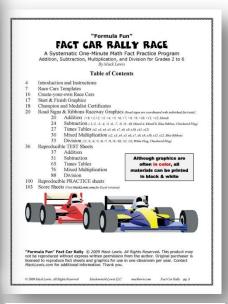
THE EXCITING WAY TO PRACTICE AND MASTER THE MATH FACTS



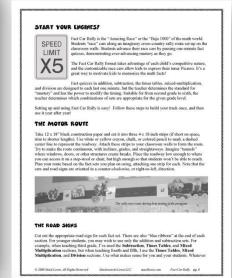


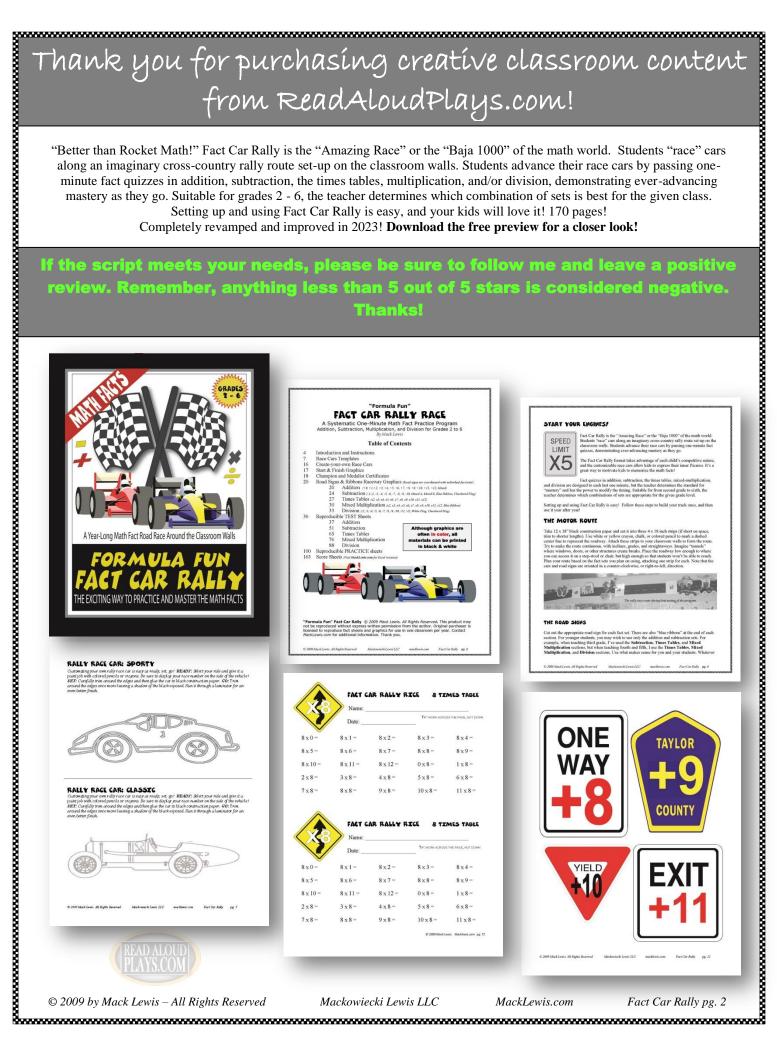






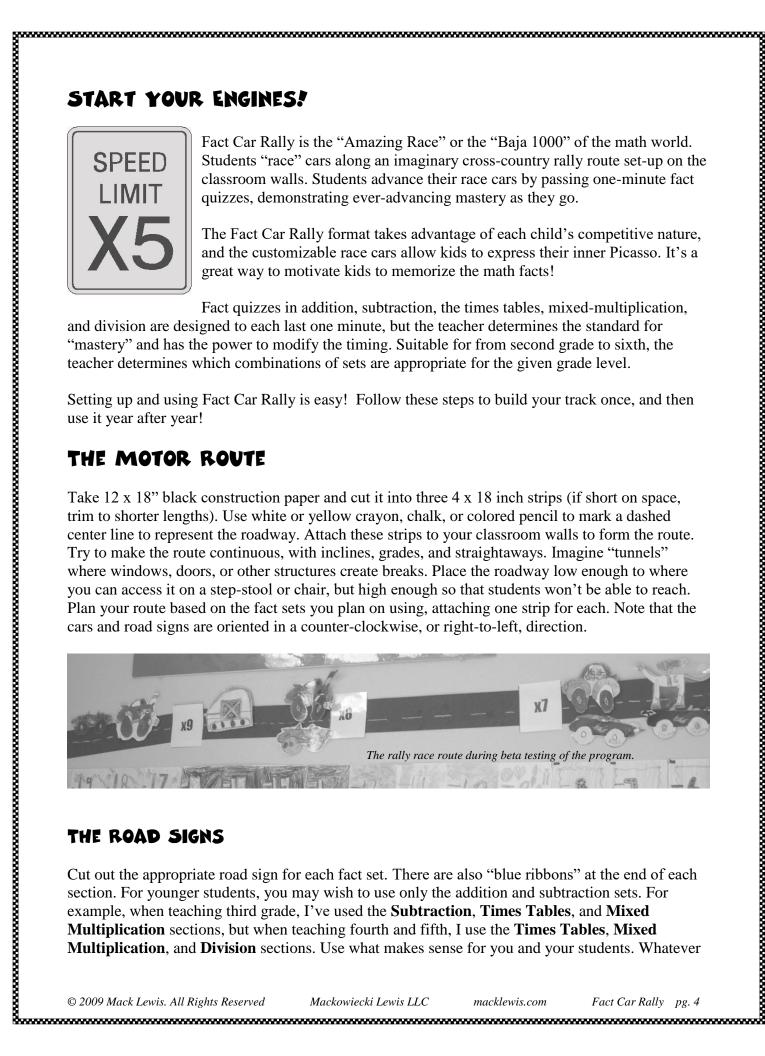
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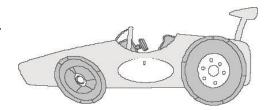












you do, be sure to use the Times Tables section prior to Mixed Multiplication. Staple the road signs in order every 18" along the route (wherever two black strips meet). For added permanence, consider mounting all materials on construction paper, card stock, or tag board, and laminating before trimming. Although road signs appear in color, they work just as well when printed in B&W.

THE RACE CARS

Photocopy a few class sets of the race car icons (pages 7-15) and allow students to select the vehicle that suits their interest. The cars are printed in faded grey scale so that kids can customize them using colored pencils or fine-tipped markers. Haw them incorporate their name into their design (or for confidentiality purposes, use just a race number). Students also have the option of designer their own racer using the form on page 16. My one rule is that the vehicle must have wheels. Consequently I've had such creative endeavors as fishbowls on scoroter boards and elephants wearing roller skates! Note again the counter lockwise direction of the track. Once complete, students should mount their car on construction paper, card stock, or tag board. If possible, laminate each vehicle. Affix them to the starting section of the race track using push pins or better yet, students should mount their car on construction paper, card stock, or tag board. If possible, laminate each vehicle. Affix them to the starting section of the race track using push pins or better yet, students should mount their car on construction paper, card stock, or tage board. If possible, laminate each vehicle. Affix them to the starting section of the race track using push pins or better yet, study putty favorite is from Loctite and sold at the hardware store). You're now ready to start racing!

THE TIME TRIALS

Because students will use the file of sheets multiple times as they practice and test, you'll want to print at least one hundred of each sheet and organize them in a manner that works for you. Many teachers use as shoebox with labeled tag

road in one class period. After each small group test, quickly correct each sheet. You'll find that as you get comfortable with the program, you can visually scan each sheet in a matter of seconds. Mark successful students on your score sheet immediately so they can begin practicing the next set. Return unfinished or incorrect sheets to students for additional study. It's important that students review their work to find out where and why they're stumbling. One a week, advance the cars around the track so that students can visually see their progress. (Note: it's not recommended that you allow students to move their own cars or that you try to move them during the test sessions themselves.)

SCREDULE

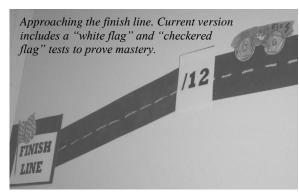
It's important to provide practice and testing sessions consistently each week (once you get starred, students are unlikely to let you get away with skipping a week). It's also a good idea to have chronological markers along the route. You might work with students to establish quarterly gods. In my classroom, our goal is that every student complete the times table by Thanksgiving, mixed multiplication by Spring Break, and division by year end. Even with just one 45 minute session per week, the majority of my students are able to meet these goals.

STRUGGLING STUDENTS

As with any activity, some students will struggle and fall behind in the race. Kids with small motor issues may need more than 60 seconds, kids with behavioral challenges may need more directed supervision during practice sessions, and students with anxiety may need private testing sessions outside the regular class. Modify procedures and expectations as necessary.

REWARDS

When the checkered flag waves, what's the reward? For many students the route, but teachers can reward student performance any way they see fit. Perhaps fast finishers will earn higher marks on their report cards, a special prize, or be awarded a certificate (such as the one appearing elsewhere in this product). You decide. Whatever the case, your score sheets provide the data ne

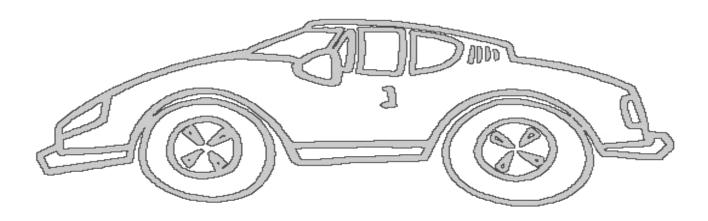






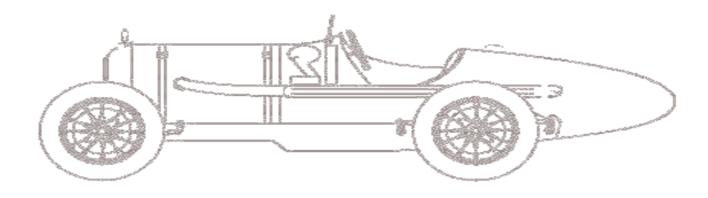
RALLY RACE CAR: SPORTY

Customizing your own rally race car is easy as ready, set, go! **READY:** Select your ride and give it a paint job with colored pencils or crayons. Be sure to display your race number on the side of the vehicle! **SET:** Carefully trim around the edges and then glue the car to black construction paper. **GO:** Trim around the edges once more leaving a shadow of the black exposed. Run it through a laminator for an even better finish.



RALLY RACE CAR: CLASSIC

Customizing your own rally race car is easy as ready, set, go! **READY:** Select your ride and give it a paint job with colored pencils or crayons. Be sure to display your race number on the side of the vehicle! **SET:** Carefully trim around the edges and then glue the car to black construction paper. **GO:** Trim around the edges once more leaving a shadow of the black exposed. Run it through a laminator for an even better finish.



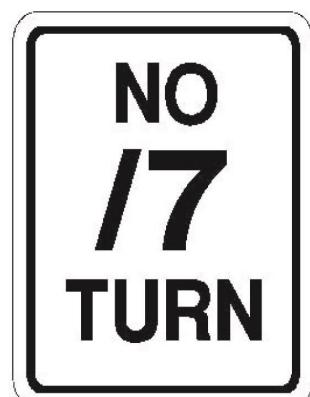
























DIVISION; CHECKERED FLAG IS PLACED AFTER WHITE FLAG





Name: _____

Date: _____

$$7 - 6 =$$

$$13 - 6 =$$

$$16 - 6 =$$

$$10 - 6 =$$

$$15 - 6 =$$

$$6 - 6 =$$

$$8 - 6 =$$

$$18 - 6 =$$

$$11 - 6 =$$

$$17 - 6 =$$

$$16 - 6 =$$

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$$6 - 6 =$$

$$8 - 6 =$$

$$9 - 6 =$$

$$7 - 6 =$$

$$16 - 6 =$$

$$15 - 6 =$$

$$14 - 6 =$$

$$13 - 6 =$$

$$10 - 6 =$$

$$12 - 6 =$$

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-6 MPH

FACT CAR RALLY RACE

-6

Name: _____

Date: _____

$$7 - 6 =$$

$$13 - 6 =$$

$$16 - 6 =$$

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$$15 - 6 =$$

$$6 - 6 =$$

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$$15 - 6 =$$

$$14 - 6 =$$

$$13 - 6 =$$

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$$12 - 6 =$$

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FACT CAR RALLY RACE 5 TIMES TABLE

Name: _____

Date: _____ TIP: WORK ACROSS THE PAGE, NOT DOWN

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5 x 2 =

 $5 \times 3 = 5 \times 4 =$

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5 x 6 =

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 $4 \times 5 = 5 \times 5 = 6 \times 5 =$

 $7 \times 5 = 8 \times 5 =$

 $9 \times 5 =$

 $10 \times 5 = 11 \times 5 =$



FACT CAR RALLY RACE 5 TIMES TABLE

Name:

Date: _____

TIP: WORK ACROSS THE PAGE, NOT DOWN

 $5 \times 0 =$

 $5 \times 1 = 5 \times 2 = 5 \times 3 =$

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5 x 7 =

 $5 \times 8 = 5 \times 9 =$

5 x 10 =

 $5 \times 11 =$

5 x 12 =

 $0 \times 5 =$

 $1 \times 5 =$

 $2 \times 5 =$

 $3 \times 5 =$

 $4 \times 5 =$

 $5 \times 5 = 6 \times 5 =$

 $7 \times 5 = 8 \times 5 =$

 $9 \times 5 =$

 $10 \times 5 = 11 \times 5 =$

SPEED

FACT CAR RALLY RACE

MIXED X5

Name: _____

Date:

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$$5 \times 5 =$$

$$5 \times 5 = 11 \times 5 = 5 \times 3 = 5 \times 8 =$$

$$5 \times 3 =$$

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$$7 \times 5 =$$

$$5 \times 12 =$$

$$5 \times 12 = 5 \times 10 = 5 \times 0 =$$

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$$5 \times 7 = 8 \times 5 =$$

$$8 \times 5 =$$

$$9 \times 5 =$$

$$9 \times 5 = 12 \times 5 = 2 \times 5 =$$

$$2 \times 5 =$$



FACT CAR RALLY RACE

MIXED X5

Name: _____

Date: _____

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$$5 \times 5 =$$

$$5 \times 5 = 11 \times 5 = 5 \times 3 = 5 \times 8 =$$

$$5 \times 3 =$$

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$$2 \times 5 =$$

ADD SIX PRACTICE LAPS

+6

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$$10 + 6 =$$

$$6 + 4 =$$

$$8 + 6 =$$

$$0 + 6 =$$

$$4 + 6 =$$

$$6 + 2 =$$

$$6 + 9 =$$

$$6 + 10 =$$

$$6 + 5 =$$

$$11 + 6 =$$

$$6 + 3 =$$

$$12 + 6 =$$

$$6 + 1 =$$

$$6 + 6 =$$

$$7 + 6 =$$

$$8 + 6 =$$

$$7 + 6 =$$

$$6 + 0 =$$

$$2 + 6 =$$

$$6 + 5 =$$

ADD SIX PRACTICE LAPS

$$3 + 6 =$$

$$6 + 4 =$$

$$6 + 9 =$$

$$9 + 6 =$$

$$7 + 6 =$$

$$6 + 1 =$$

$$2 + 6 =$$

$$6 + 5 =$$

$$5 + 6 =$$

$$10 + 6 =$$

$$6 + 4 =$$

$$8 + 6 =$$

$$0 + 6 =$$

$$6 + 0 =$$

$$6 + 7 =$$

$$6 + 6 =$$

$$8 + 6 =$$

$$11 + 6 =$$

$$6 + 2 =$$

$$12 + 6 =$$

$$6 + 11 =$$

$$6 + 6 =$$

ADD SIX PRACTICE LAPS

$$6 + 2 =$$

$$12 + 6 =$$

$$6 + 3 =$$

$$6 + 8 =$$

$$6 + 9 =$$

$$6 + 5 =$$

$$6 + 0 =$$

$$5 + 6 =$$

$$1 + 6 =$$

$$7 + 6 =$$

$$8 + 6 =$$

$$9 + 6 =$$

$$8 + 6 =$$

$$6 + 7 =$$

$$2 + 6 =$$

$$6 + 1 =$$

$$3 + 6 =$$

$$10 + 6 =$$

$$6 + 4 =$$

$$8 + 6 =$$

$$0 + 6 =$$

FACT CAR RALLY RACE SCORE SHEETS

Use these sheets to track progress. You needn't keep track of specific results (such as 18/20 or 80%). Simply put a check or a star when a student successfully completes a level. If students are *repeating* the race—that is, going through a second time—block in the given square.

For gradebook purposes, it's suggested you track the percentage of completed levels versus the expected rate. For example, if your goal is to have students complete the first twelve tests by the end of the first grading term, you'd calculate number of completed levels out of twelve.

For free fillable **Excel versions** of the scores sheets, or to see a **video clip** of Fact Car Rally being implemented, visit MackLewis.com or ReadAloudPlays.com

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1 2 3 4 5 6 7 8 9 10 11 12 3 4<	DIVISION	<u>(°</u>	/ 3	**	SPEED LIMIT /5	(NO /7 TURN	NIERSTONE V8	SPEED LIMIT /9	/++ 0	-àit-	EXIT (***	DIVISION	MULTIPLICATION & DIVISION	
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