

Math

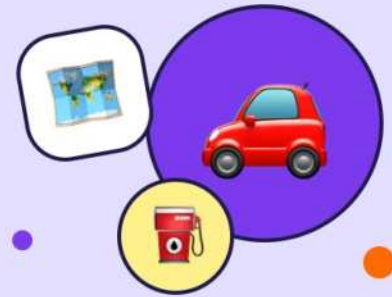
Grade 5

Summer math: plan a road trip

Add up the miles, work out gas and snack costs with decimals, and plan the stops.



I can add, subtract and multiply decimals to plan a trip.



1



Miles so far

Add each day's miles to find the running total.



Day	Miles driven	Miles so far
1	238	238
2	196	
3	305	
4	187	

2 Gas and snacks

Write the cost in dollars and cents.

1. Gas costs \$3.45 a gallon. 10 gallons cost \$_____.
2. 12 gallons cost \$_____.
3. Snacks: $\$4.75 + \$2.60 + \$3.15 = \$$ _____.

3 Compare decimals

Write $>$, $<$ or $=$ in each circle.

\$3.45



\$3.5

2.75
gallons



2.7
gallons

\$41.40



\$41.4

0.9 mile



0.85 mile

4 Trip schedule

Circle the right answer.

1. You leave at 8:15 a.m. and drive for 3 hours 30 minutes. When do you arrive?

A 11:15 a.m.

B 11:45 a.m.

C 12:15 p.m.

2. Lunch starts at 12:30 p.m. and lasts 45 minutes. When do you leave?

A 1:00 p.m.

B 1:15 p.m.

C 1:45 p.m.

3. The trip is 926 miles over 4 days. What is the mean number of miles per day?

A 231.5

B 232

C 230

5

**Road trip drill**

Solve each problem.

1. $3.45 \times 4 =$ _____
2. $12.5 + 7.75 =$ _____
3. $50 - 18.64 =$ _____
4. $1.2 \times 0.5 =$ _____
5. $45.6 \div 4 =$ _____
6. $250 \times 12 =$ _____
7. $0.75 \times 100 =$ _____

6

**True or false**

Circle True or False.

1. $\$3.45 \times 10 = \34.50
2. 3.5 hours is 3 hours 50 minutes.
3. 0.25 of an hour is 15 minutes.
4. 926 rounded to the nearest hundred is 1,000.
5. Driving 60 miles per hour for 3 hours covers 180 miles.
6. \$41.40 is the same as \$41.4.

True

False

True

False

True

False

True

False

True

False

True

False

7

**Speed and distance**

Miles = speed $\times$ hours. Fill in the last column.

Part of trip	Speed (mph)	Hours	Miles
A	60	3	
B	55	4	
C	65	2.5	

8 **Trip budget problems**

Read each problem and circle the right answer.

1. A hotel costs \$89.50 a night. How much do 3 nights cost?

A \$268.50

B \$258.50

C \$269.00

2. The car goes 32 miles on 1 gallon. How many gallons does it need for 480 miles?

A 12

B 15

C 16

3. 4 friends split a \$38.60 dinner bill equally. How much does each pay?

A \$9.15

B \$9.60

C \$9.65

4. On the map, 1 inch = 25 miles. Two towns are 3.5 inches apart. How far apart are they?

A 75 miles

B 87.5 miles

C 100 miles

9 **Gas budget**

You have \$60 for gas at \$3.45 a gallon. How many whole gallons can you buy? How much money is left? Show your work.

How did it go?



Made with 

Math

Grade 5

Answer key

Summer math: plan a road trip

Add up the miles, work out gas and snack costs with decimals, and plan the stops.



I can add, subtract and multiply decimals to plan a trip.



1



Miles so far

Add each day's miles to find the running total.



Day	Miles driven	Miles so far
1	238	238
2	196	434
3	305	739
4	187	926

2 Gas and snacks

Write the cost in dollars and cents.

1. Gas costs \$3.45 a gallon. 10 gallons cost \$ 34.50.
2. 12 gallons cost \$ 41.40.
3. Snacks: $\$4.75 + \$2.60 + \$3.15 = \$$ 10.50.

3 Compare decimals

Write $>$, $<$ or $=$ in each circle.

\$3.45



\$3.5

2.75
gallons



2.7
gallons

\$41.40



\$41.4

0.9 mile



0.85 mile

4 Trip schedule

Circle the right answer.

1. You leave at 8:15 a.m. and drive for 3 hours 30 minutes. When do you arrive?

☐ A 11:15 a.m.

☒ B 11:45 a.m.

☐ C 12:15 p.m.

2. Lunch starts at 12:30 p.m. and lasts 45 minutes. When do you leave?

☐ A 1:00 p.m.

☒ B 1:15 p.m.

☐ C 1:45 p.m.

3. The trip is 926 miles over 4 days. What is the mean number of miles per day?

☒ A 231.5

☐ B 232

☐ C 230

5

**Road trip drill**

Solve each problem.

1. $3.45 \times 4 =$ 13.8

2. $12.5 + 7.75 =$ 20.25

3. $50 - 18.64 =$ 31.36

4. $1.2 \times 0.5 =$ 0.6

5. $45.6 \div 4 =$ 11.4

6. $250 \times 12 =$ 3,000

7. $0.75 \times 100 =$ 75

6

**True or false**

Circle True or False.

1. $\$3.45 \times 10 = \34.50

True

False

2. 3.5 hours is 3 hours 50 minutes.

True

False

3. 0.25 of an hour is 15 minutes.

True

False

4. 926 rounded to the nearest hundred is 1,000.

True

False

5. Driving 60 miles per hour for 3 hours covers 180 miles.

True

False

6. \$41.40 is the same as \$41.4.

True

False

7

**Speed and distance**Miles = speed $\times$ hours. Fill in the last column.

Part of trip	Speed (mph)	Hours	Miles
A	60	3	180
B	55	4	220
C	65	2.5	162.5

8

**Trip budget problems**

Read each problem and circle the right answer.

1. A hotel costs \$89.50 a night. How much do 3 nights cost?

☐ A \$268.50☐ B \$258.50☐ C \$269.00

2. The car goes 32 miles on 1 gallon. How many gallons does it need for 480 miles?

☐ A 12☐ B 15☐ C 16

3. 4 friends split a \$38.60 dinner bill equally. How much does each pay?

☐ A \$9.15☐ B \$9.60☐ C \$9.65

4. On the map, 1 inch = 25 miles. Two towns are 3.5 inches apart. How far apart are they?

☐ A 75 miles☐ B 87.5 miles☐ C 100 miles

9

**Gas budget**

You have \$60 for gas at \$3.45 a gallon. How many whole gallons can you buy? How much money is left? Show your work.

17 gallons. $17 \times \$3.45 = \58.65 and $18 \times \$3.45 = \62.10 is too much. $\$60.00 - \$58.65 = \$1.35$ left.

How did it go?



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