Review Exercises

1. $2\overline{)76}$ 2. $725 \div 5 =$ 3. $80\overline{)905}$

4. $70\overline{)697}$ 5. $70\overline{)8,196}$ 5. $30\overline{)6,152}$

Helpful Hints

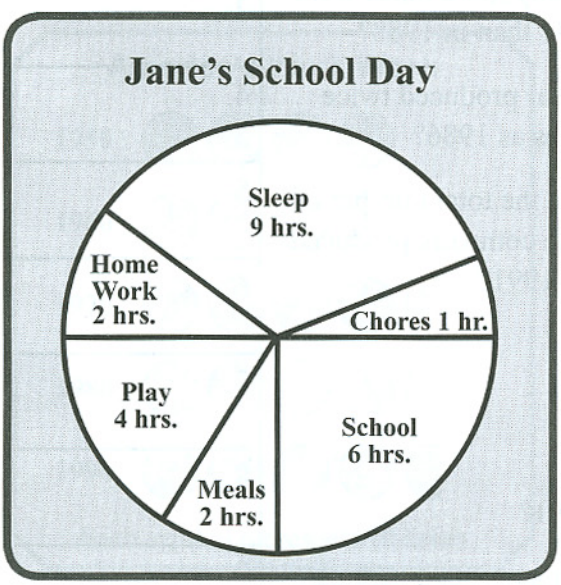
Circle graphs can be used to show fractional parts.

1. Read the title.
2. Understand the meaning of the numbers.
3. Study the data.
4. Answer the questions.

Use the information in the graph to answer the questions.

S1. What fraction of the day does Jane play?

S2. What fraction of Jane's day is used for school?



1. How many more hours does Jane sleep per day than play?

2. How many hours of homework does Jane have in a week (Monday through Friday)?

3. How many hours per day are school-related activities?

4. What fraction of the day is spent for school, homework, and chores?

5. What fraction of the day does Jane spend for school, sleep, and chores?

6. How many hours does Jane spend in school in 3 weeks?

7. If Jane goes to bed at 9:00 p.m., what time does she get up in the morning?

8. If school starts at 8:30 a.m., what time is school dismissed?

9. How many hours per week does Jane spend in school and on homework?

10. What fractional part of the day does Jane play and have meals?

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
Score

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Review Exercises

1. A car traveled 440 miles in 8 hours. What was its average speed per hour?

2. $\begin{array}{r} 624 \\ \times \quad 7 \\ \hline \end{array}$

3. A school has 25 classes with thirty students in each class. How many students are there altogether?

4. $\begin{array}{r} 467 \\ 29 \\ 736 \\ +\ 27 \\ \hline \end{array}$

5. Billie earned $4,137 this month and $5,198 last month. How much more did she earn last month?

6. $\begin{array}{r} 7{,}115 \\ -\ 678 \\ \hline \end{array}$

Helpful Hints

The following problems require two steps.

1. Read the problem carefully.
2. Find the important facts and numbers.
3. Decide what operations to use and in what order to use them.
4. Solve the problem.

Label your answer with a word or short phrase.

S1. Sol's test scores were 81, 90, and 99. What was her average score?

S2. A farmer had nine crates of potatoes that weighed 180 pounds each. He also had seven sacks of tomatoes that weighed a total of 365 pounds. What was the total weight of the potatoes and tomatoes?

1. A woman buys a car making a $3,000 down payment and then agrees to make 48 monthly payments of 360 dollars. What is the total cost of the car?

2. Last week a man worked 12 hours a day for five days. This week he worked 57 hours. How many hours did he work in all?

3. A theater has 15 rows of seats with 25 seats in each row. If 19 of the seats are vacant, how many are taken?

4. A tank holds 250,000 gallons of fuel. If 27,600 gallons are removed one day, and 35,750 gallons are removed the next day, how many gallons are left?

5. A car can travel 32 miles per gallon of gas. How many gallons are required to travel 448 miles? If gas is $3 per gallon, how much would the gas cost?

1.
2.
3.
4.
5.
Score

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Review Exercises

1. $\begin{array}{r} 723 \\ \times \quad .6 \\ \hline \end{array}$

2. $\begin{array}{r} 39.7 \\ \times \quad .06 \\ \hline \end{array}$

2.

3. Find 12% of 60.

4. Find 25% of 70.

5. $\frac{3}{5} \times 25 =$

6. $\frac{1}{4} \times 20 =$

Helpful Hints

When finding the percent of a number in a word problem, you can change the percent of a fraction or a decimal. Always express your answer in a short phrase or sentence.

Example:
A team played 60 games and won 75% of them.
How many games did they win?
Find 75% of 60
.75 x 60

$$\begin{array}{r} 60 \\ \times \quad .75 \\ \hline 300 \\ 420 \\ \hline 45.00 \end{array}$$

OR

$$\frac{75}{100} = \frac{3}{4}$$

$$\frac{3}{\cancel{4}_1} \times \frac{\cancel{60}^{15}}{1} = \frac{45}{1} = 45$$

Answer: The team won 45 games.

S1. Gloria took a test with 40 problems on it. If he got 80% of the problems correct, how many problems did he get correct?

S2. If 6% of the 500 students enrolled in a school are absent, how many students are present?

1. Marty wants to buy a car that costs $9,000. If he has saved 20% of this amount, how much has he saved?

2. Erin has a stamp collection consisting of 30 stamps. If 70% of the stamps are from the USA, how many stamps are from other countries?

3. A house priced at $150,000 requires a 20% down payment. How much is the down payment?

4. A coat is priced at $60. If the sales tax is 7% of the price, how much is the sales tax? What is the total cost including sales tax?

5. If a car costs 15,000 and loses 20% of its value in one year, how much will the car be worth in a year?

1.
2.
3.
4.
5.
Score

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