Problem 1 :

A dance teacher is planning a dance for a show. The dancers will be arranged in rows with the same number of dancers in each row. Can a group of 9 dancers or a group of 15 dancers be arranged in more ways?

(Current problem from chapter 5 lesson 1.)

Your Answer:

Problem 2 :

Tell whether the number is *prime* or *composite*.

98

(Current problem from chapter 5 lesson 1.)

98 is composite.   98 is prime.

Problem 3 :

Tours Three groups will take the Cave of the Winds tour of Niagara Falls. The amount they will spend on tickets is given in the table. If each ticket is the same price, what is the most a ticket could cost?

	Amount
Group 1	$24
Group 2	$32
Group 3	$40

(Current problem from chapter 5 lesson 2.)

Your Answer:

Problem 4 :

Find the GCF of the numbers by listing the factors.

28, 18
(Current problem from chapter 5 lesson 2.)

Your Answer:

Problem 5 :

Complete the equivalent fraction.

$$\frac{9}{27} = \frac{?}{9}$$

(Current problem from chapter 5 lesson 3.)

Your Answer:

Problem 6 :

In a survey of 35 middle school students, 21 said that comedy was their favorite type of movie. Write this as a fraction in simplest form.
(Current problem from chapter 5 lesson 3.)

$\frac{21}{35}$ $\frac{5}{3}$

$\frac{3}{5}$ none of these

Problem 7 :

Find the LCM of 3 and 8.
(Current problem from chapter 5 lesson 4.)

Your Answer:

Problem 8 :

Find the LCM of 24 and 54 using prime factorization.
(Current problem from chapter 5 lesson 4.)

Your Answer:

Problem 9 :

Compare $\dfrac{2}{9}$ and $\dfrac{1}{2}$.

(Current problem from chapter 5 lesson 5.)

$\dfrac{1}{2} < \dfrac{2}{9}$ $\dfrac{1}{2} = \dfrac{2}{9}$

$\dfrac{2}{9} < \dfrac{1}{2}$ none of these

Problem 10 :

Order the fractions
$\dfrac{7}{8}$, $\dfrac{11}{12}$, $\dfrac{2}{3}$
from least to greatest.

(Current problem from chapter 5 lesson 5.)

$\dfrac{2}{3}$, $\dfrac{7}{8}$, $\dfrac{11}{12}$

$\dfrac{7}{8}$, $\dfrac{2}{3}$, $\dfrac{11}{12}$

$\dfrac{11}{12}$, $\dfrac{7}{8}$, $\dfrac{2}{3}$

$\dfrac{2}{3}$, $\dfrac{11}{12}$, $\dfrac{7}{8}$

Problem 11 :

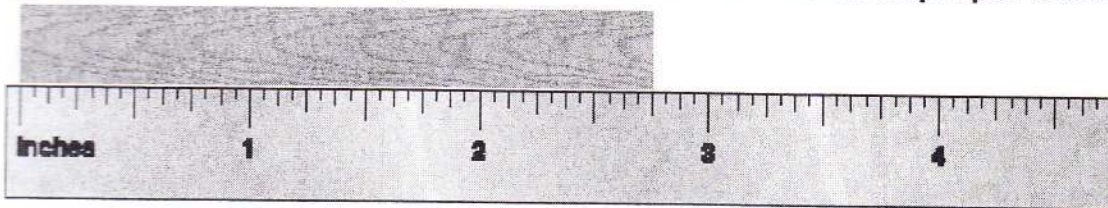Complete the statement with <, >, or =.

$\frac{2}{4}$? $\frac{2}{5}$.

(Current problem from chapter 5 lesson 5.)

Your Answer:

Problem 12 :

You need to measure a piece of wood for a birdhouse.
Write the length (in inches) as a mixed number and as an improper fraction.

(Current problem from chapter 5 lesson 6.)

$2\frac{1}{2}$ and $\frac{5}{2}$ $2\frac{3}{4}$ and $\frac{11}{4}$

$2\frac{1}{12}$ and $\frac{25}{12}$ none of these

Problem 13 :

Write $7\frac{15}{17}$ as an improper fraction.

(Current problem from chapter 5 lesson 6.)

$\frac{134}{17}$ $\frac{7}{17}$

$\frac{15}{17}$ none of these

Problem 14 :

17

Write 5 as a mixed number.

(Current problem from chapter 5 lesson 6.)

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

$5\frac{2}{5}$ none of these

Problem 15 :

Write the decimal as a fraction in simplest form.

.74
(Current problem from chapter 5 lesson 7.)

$\frac{74}{10}$ $\frac{1}{74}$

$\frac{37}{50}$ none of these

Problem 16 :

The length of a planet's day is the time it takes the planet to rotate once about its axis. Write the length (in hours) as a mixed number in simplest form.

4. 20
(Current problem from chapter 5 lesson 7.)

24   5

$4\frac{20}{100}$ none of these

Problem 17 :

Write the decimal as a fraction or mixed number in simplest form.

5. 05
(Current problem from chapter 5 lesson 7.)

$5\frac{1}{20}$ 20

$\frac{1}{20}$ none of these

Problem 18 :

At one time, 36 out of 50 regions in a country had lighthouses. This can be written as the fraction $\frac{36}{50}$. How do you write this fraction as a decimal?

(Current problem from chapter 5 lesson 8.)

Your Answer:

Problem 19 :

Write $16\frac{1}{8}$ as a decimal.

(Current problem from chapter 5 lesson 8.)

Your Answer:

Problem 20 :

Write $\frac{7}{3}$ as a decimal.

(Current problem from chapter 5 lesson 8.)

2.333   2.$\overline{3}$
2.$\overline{333}$ 2.33