

The Primary Stage of Grades (4-5)

Second Semester 2022 - 2023

Name: Answer Key

Subject: Mathematics

Date: / /

Revision Worksheet(1)

Class: Grade 5 (C,D,E,F&G)

Objectives

To divide a three- or more digit number by one –or two-digit number.

To find equivalent fractions

To write fractions in the simplest form

1) Find the quotient of the following questions as a decimal notation .

a)
$$\begin{array}{r} 8 \overline{) 6305} \\ \underline{56} \\ 070 \\ \underline{64} \\ 65 \\ \underline{64} \\ 108 \\ \underline{108} \\ 20 \\ \underline{16} \end{array}$$

b)
$$\begin{array}{r} 6 \overline{) 921} \\ \underline{6} \\ 32 \\ \underline{30} \\ 21 \\ \underline{18} \\ 30 \\ \underline{30} \\ 00 \end{array}$$

c)
$$\begin{array}{r} 4 \overline{) 7001} \\ \underline{4} \\ 30 \\ \underline{28} \\ 20 \\ \underline{20} \\ 0010 \\ \underline{08} \\ 20 \\ \underline{20} \\ 00 \end{array}$$

d)
$$\begin{array}{r} 5 \overline{) 4237} \\ \underline{40} \\ 23 \\ \underline{20} \\ 37 \\ \underline{35} \\ 20 \\ \underline{20} \\ 00 \end{array}$$

2) Find the quotient of the following questions .

a)
$$\begin{array}{r} 77 \\ 76 \overline{) 5915} \\ \underline{-532} \\ 595 \\ \underline{-532} \\ 063 \end{array}$$

b)
$$\begin{array}{r} 61 \\ 34 \overline{) 2098} \\ \underline{-204} \\ 58 \\ \underline{-34} \\ 24 \end{array}$$

c)
$$\begin{array}{r} 90 \\ 92 \overline{) 8304} \\ \underline{-828} \\ 24 \end{array}$$

d)
$$\begin{array}{r} 287.04 \\ 3 \overline{) 861.12} \\ \underline{-6} \\ 26 \\ \underline{-24} \\ 21 \\ \underline{-21} \\ 0012 \\ \underline{-12} \\ 00 \end{array}$$

e)
$$\begin{array}{r} 7.932 \\ 4 \overline{) 31.728} \\ \underline{-28} \\ 37 \\ \underline{-36} \\ 12 \\ \underline{-12} \\ 008 \\ \underline{-8} \\ 0 \end{array}$$

f)
$$\begin{array}{r} 24.55 \\ 9 \overline{) 220.95} \\ \underline{-18} \\ 40 \\ \underline{-36} \\ 49 \\ \underline{-45} \\ 45 \\ \underline{-45} \\ 00 \end{array}$$

3) Fill in the missing numbers to make the following statements true (show your work).

a) $\frac{3}{8} = \frac{27}{\boxed{72}}$

Handwritten work: An arrow from 3 to 27 is labeled $\times 9$. An arrow from 8 to $\boxed{72}$ is labeled $\times 9$.

b) $\frac{2}{7} = \frac{\boxed{18}}{63}$

Handwritten work: An arrow from 2 to $\boxed{18}$ is labeled $\times 9$. An arrow from 7 to 63 is labeled $\times 9$.

c) $\frac{5}{28} = \frac{15}{\boxed{84}}$

Handwritten work: An arrow from 5 to 15 is labeled $\times 3$. An arrow from 28 to $\boxed{84}$ is labeled $\times 3$.

d) $\frac{9}{36} = \frac{\boxed{1}}{4}$

Handwritten work: An arrow from 9 to $\boxed{1}$ is labeled $\div 9$. An arrow from 36 to 4 is labeled $\div 9$.

e) $\frac{5}{6} = \frac{35}{\boxed{42}}$

Handwritten work: An arrow from 5 to 35 is labeled $\times 7$. An arrow from 6 to $\boxed{42}$ is labeled $\times 7$.

f) $\frac{75}{250} = \frac{\boxed{3}}{10}$

Handwritten work: An arrow from 75 to $\boxed{3}$ is labeled $\div 25$. An arrow from 250 to 10 is labeled $\div 25$.

g) $\frac{\boxed{32}}{56} = \frac{4}{7}$

Handwritten work: An arrow from $\boxed{32}$ to 4 is labeled $\div 8$. An arrow from 56 to 7 is labeled $\div 8$.

h) $\frac{45}{60} = \frac{9}{\boxed{12}}$

Handwritten work: An arrow from 45 to 9 is labeled $\div 5$. An arrow from 60 to $\boxed{12}$ is labeled $\div 5$.

i) $\frac{3}{\boxed{4}} = \frac{75}{100}$

Handwritten work: An arrow from 3 to 75 is labeled $\times 25$. An arrow from $\boxed{4}$ to 100 is labeled $\times 25$.

j) $\frac{\boxed{375}}{1000} = \frac{3}{8}$

Handwritten work: An arrow from $\boxed{375}$ to 3 is labeled $\div 125$. An arrow from 1000 to 8 is labeled $\div 125$.

4) Write the following fractions in the simplest form.

a) $\frac{14 \div 7}{49 \div 7} = \frac{2}{7}$

b) $\frac{24 \div 8}{72 \div 8} = \frac{3 \div 3}{9 \div 3} = \frac{1}{3}$

c) $9 \frac{12 \div 12}{48 \div 12} = 9 \frac{1}{4}$

d) $\frac{45 \div 9}{81 \div 9} = \frac{5}{9}$

e) $\frac{36 \div 3}{93 \div 3} = \frac{12}{31}$

f) $6 \frac{52 \div 4}{84 \div 4} = 6 \frac{13}{21}$

5) Guess the fraction!

Denominator is the quotient of 647 and 23

Numerator is the remainder of dividing 449 by 9

$$\begin{array}{r} 23 \overline{) 647} \\ \underline{46} \\ 187 \\ \underline{184} \\ 003 \end{array}$$

$$\begin{array}{r} 9 \overline{) 449} \\ \underline{36} \\ 089 \\ \underline{81} \\ 008 \end{array}$$

a) What is my fraction?

$$\frac{8}{28}$$

b) Name the type of fraction?

Proper fraction

c) Write the fraction in the simplest form?

$$\frac{8 \div 4}{28 \div 4} = \frac{2}{7}$$

6) Jim and Sam have the assignment to read 735 pages.

Jim reads 35 pages per day. Sam starts 6 days later than Jim and wants to finish on the same day Jim finishes.

a) How many days does Jim need to finish all the pages?

$$\begin{array}{r} 021 \\ 35 \overline{) 735} \\ \underline{70} \\ 35 \\ \underline{-35} \\ 00 \end{array} \quad 21 \text{ days}$$

b) How many pages of the book does Sam have to read to catch up?

$21 - 6 = 15 \text{ days}$

49 pages
each day

$$\begin{array}{r} 049 \\ 15 \overline{) 735} \\ \underline{60} \\ 135 \\ \underline{-135} \\ 000 \end{array}$$

OR

① $\begin{array}{r} 35 \\ \times 6 \\ \hline 210 \end{array}$ pages

② $21 - 6 = 15 \text{ days}$

③ $\begin{array}{r} 014 \\ 15 \overline{) 210} \\ \underline{15} \\ 60 \\ \underline{-60} \\ 00 \end{array}$

④ $35 + 14 = 49$ pages each day

in each day (with arrow pointing to 35)

7) A teacher wants to give 3 markers to each of her 25 students.

Markers come in packages of 8.

How many packages of markers will the teacher need?

$3 \times 25 = 75 \text{ markers}$

$$\begin{array}{r} 09 \\ 8 \overline{) 75} \\ \underline{72} \\ 03 \end{array} \rightarrow 10 \text{ packages}$$

* Round up the answer.
 $9 + 1 = 10$

8) Sara has a board that is 150 cm long.

She wants to cut 8 shelves of equal length from the board and use the entire board.

How long will each shelf be?

$$\begin{array}{r} 18.75 \\ 8 \overline{) 150} \\ \underline{- 8} \\ 70 \\ \underline{- 64} \\ 60 \\ \underline{- 56} \\ 40 \\ \underline{- 40} \\ 00 \end{array} \quad 18.75 \text{ cm}$$

9) Sally and her three sisters bought their mother a bread machine for her birthday. The machine cost \$ 218, including tax.

The sisters split the bill evenly.

How much did each sister contribute?

$$\begin{array}{r} 54.5 \\ 4 \overline{) 218} \\ \underline{- 20} \\ 18 \\ \underline{- 16} \\ 20 \\ \underline{- 20} \\ 00 \end{array} \quad \$ 54.5$$