



Rosary School \ Marj Elhamam

Name: _____

Date : / 11/ 2025

Subject: Practice worksheet 5 / Unit 4

Grade : 6 ()

Fractions

4.1 working with fractions

Q1. Work out the highest common factor of.

a. 18 and 27

HCF = _____

b. 14 and 21

HCF = _____

Q2. Write $>$, $<$ in the box to make the statement correct.

a. $\frac{7}{9}$ $\frac{6}{9}$

b. $\frac{4}{5}$ $\frac{3}{4}$

c. $\frac{11}{12}$ $\frac{5}{6}$

Q3. Out of 30 books, 12 are science books.

What fraction of the books are science books?

Write in simplest form.

Q4. A football team has 22 players. 5 of them are goalkeepers.
What fraction of the players are **not** goalkeepers?

4.2 Adding and subtracting fractions

Q1. Work out the lowest common multiple.

a. 6 and 9

LCM=_____

b. 4 and 10

LCM= _____

Q2. Write these improper fractions as mixed numbers.

a. $\frac{11}{4} =$

b. $\frac{19}{6} =$

c. $\frac{20}{8} =$

Q3. Work out

a. $1\frac{1}{4} - \frac{3}{8} =$

b. $\frac{2}{5} + \frac{3}{10} =$

Q4. A mechanic stacks a plastic panel that is $9\frac{1}{2}$ cm thick on top of a foam layer that is $3\frac{3}{4}$ cm thick.

What is the total thickness of the two layers?

4.3 Fractions, decimals and percentages.

Q1. Complete the table.

Write each fraction in its simplest form.

Fraction	Decimal	Percentage
$\frac{1}{5}$		
	0.55	
		42%

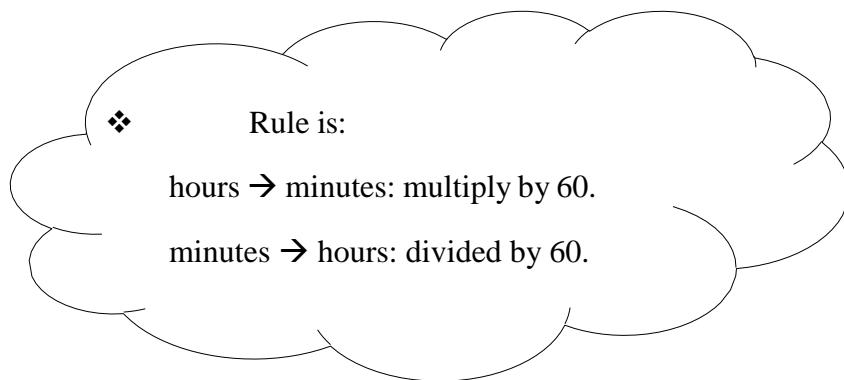
Q2. Write these fractions as decimals.

a. $\frac{2}{20} =$

c. $\frac{4}{5} =$

b. $\frac{3}{8} =$

d. $\frac{5}{25} =$



Q3. Draw a ring around the numbers that give the same time intervals.

0.5 hour	$\frac{1}{6}$ hour
$\frac{1}{4}$ hour	30 minutes
25 minutes	0.25 hour

Q4. Write the missing numbers.

a. $\frac{6}{25} = \underline{\hspace{2cm}} \%$

b. $\frac{15}{25} = \underline{\hspace{2cm}} \%$

c. $\underline{\hspace{2cm}} \% = 0.4$

4.4 Multiplying by a fraction.

Q1. Work out+

a. $\frac{3}{5} \times 45 =$

b. $4 \times \frac{2}{3} =$

c. $16 \times \frac{5}{8} =$

d. $5 \times \frac{4}{7} =$

Q2. A recipe uses $\frac{3}{4}$ cup of milk. Sara makes 3 batches.
How much milk does she need?

$\underline{\hspace{2cm}}$ cups

Q3. The garden is 12 m long and 6 m wide.

Hana plants flowers in $\frac{1}{3}$ of the garden.

What area is planted?

_____ m^2

Q4. A water tank holds 180 l.

$\frac{1}{5}$ of it is used.

How many liters are used?

_____ l

Q5. A box has 48 kg of rice. $\frac{3}{4}$ of it is sold.

How much rice was sold?

_____ kg

4.5 Working with mixed numbers.

Q1. Work out:

a. $3\frac{1}{4} + 2\frac{1}{2} =$

b. $6\frac{2}{3} - 1\frac{1}{6} =$

c. $4\frac{5}{8} + 3\frac{3}{4} =$

d. $7\frac{1}{5} - 2\frac{2}{5} =$

Q2. A pipe is $12\frac{1}{2}$ m long. A plumber cuts off $4\frac{3}{4}$ m.

How much is left?

_____ metres

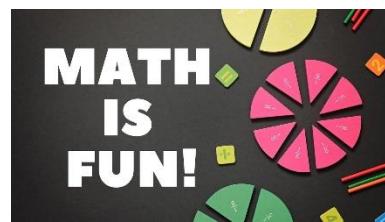
Q3. Lana jogs $1 \frac{3}{5}$ km each morning. How far in 6 days?

_____ km

Q4. A recipe needs $1 \frac{2}{3}$ cups of oil per cake.

How much oil is needed for 3 cakes?

_____ Cups



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