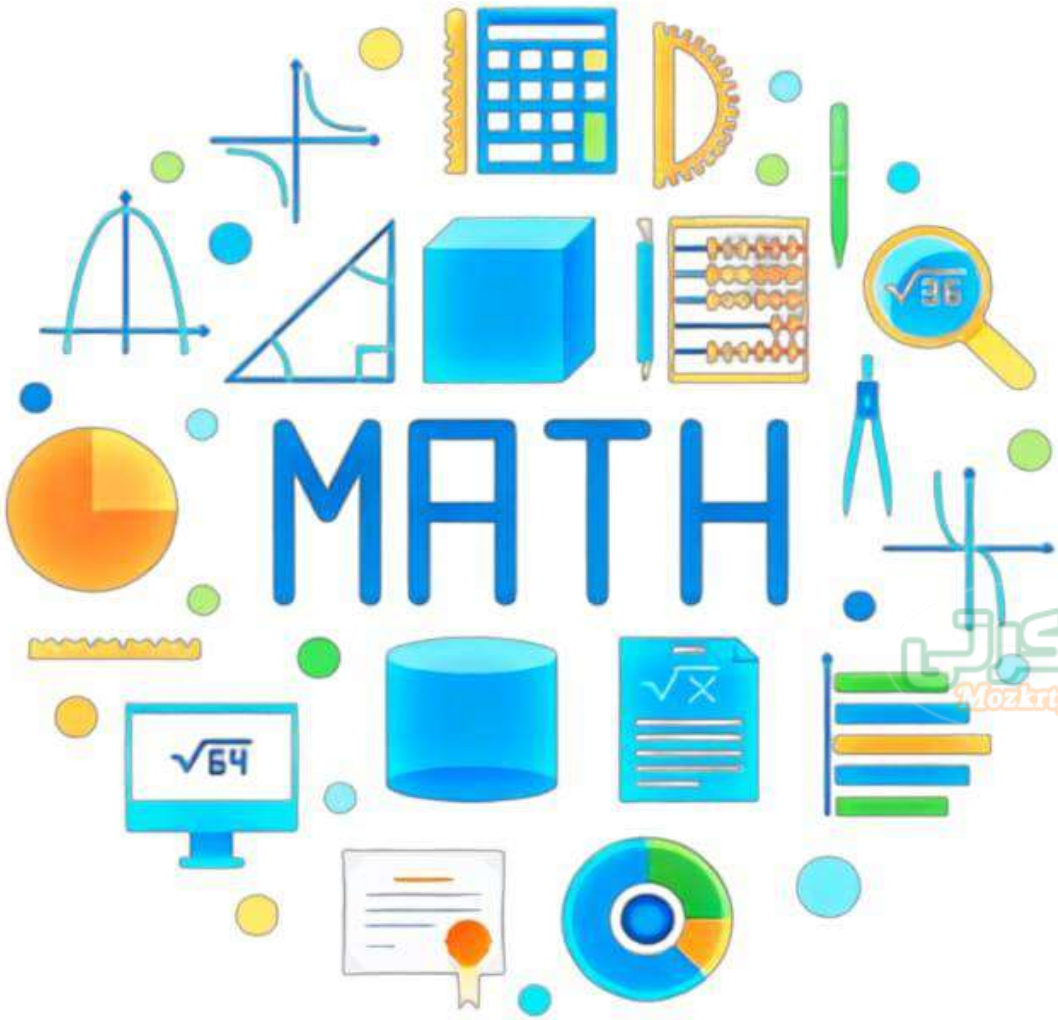
Math primary 4

2024



ENG. ESLAM EMAM

February Revision

1) Choose the correct answer:

1 *Which of the following is a unit fraction?*

A $\frac{1}{8}$ B $\frac{3}{8}$ C $\frac{8}{8}$ D $\frac{8}{1}$

2 *Which is correct decomposition of* $\frac{5}{9}$ *using unit fractions?*

A $\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{2}{9}=\frac{5}{9}$

B $\frac{1}{9}+\frac{4}{9}=\frac{5}{9}$

C $\frac{3}{9}+\frac{2}{9}=\frac{5}{9}$

D $\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{1}{9}=\frac{5}{9}$

3 *Which equation is <u>not</u> a correct decomposition of* $\frac{10}{11}$

A $\frac{1}{11}+\frac{2}{11}+\frac{3}{11}+\frac{4}{11}=\frac{10}{11}$

B $\frac{1}{11}+\frac{2}{11}+\frac{8}{11}=\frac{10}{11}$

C $\frac{5}{11}+\frac{5}{11}=\frac{10}{11}$

D $\frac{1}{11}+\frac{2}{11}+\frac{2}{11}+\frac{2}{11}+\frac{3}{11}=\frac{10}{11}$

4 $\frac{3}{9}+\frac{6}{9}=$ ……

A $\frac{3}{9}$ B $\frac{9}{18}$ C 1 D $\frac{6}{9}$

5 *Which of the following is an improper fraction?*

A $2\frac{1}{5}$ B $\frac{5}{7}$ C $\frac{1}{4}$ D $\frac{3}{2}$

6 *Which of the following is a mixed number?*

A $\frac{3}{2}$ B $\frac{51}{5}$ C $\frac{2}{3}$ D $5\frac{1}{2}$

7 $4\frac{1}{2}$ = ... *(as an improper fraction)*

A $\frac{5}{2}$ B $\frac{7}{2}$ C $\frac{9}{2}$ D $\frac{9}{4}$

8 $\frac{20}{7}$ = ... *(as a mixed number)*

A $3\frac{1}{7}$ B $2\frac{6}{7}$ C $2\frac{1}{7}$ D $1\frac{6}{7}$

9 $\frac{38}{6}$ = ... *(as a mixed number)*

A $6\frac{2}{6}$ B $2\frac{5}{6}$ C $2\frac{1}{6}$ D $5\frac{3}{6}$

10 *Which of the following mixed numbers is equal to* $\frac{6}{5}$ *?*

A $1\frac{1}{2}$ B $1\frac{1}{12}$ C $1\frac{1}{5}$ D $1\frac{1}{6}$

11 $\frac{3}{4} + \frac{1}{4}$ = ...

A $\frac{1}{4}$ B $\frac{9}{18}$ C 1 D $\frac{20}{81}$

12 $4 + \frac{7}{11} + 2 + \frac{1}{11}$ = ...

A $6\frac{8}{11}$ B $6\frac{8}{22}$ C $2\frac{6}{11}$ D $7\frac{8}{11}$

13 $1\frac{1}{4} + \frac{3}{4}$ = ...

A $2\frac{1}{4}$ B 2 C 4 D $2\frac{3}{4}$

14 $2\frac{1}{5} + 1\frac{2}{5} =$ .....

A $3\frac{3}{5}$ B $2\frac{2}{5}$ C $4\frac{4}{5}$ D 4

15 $1 - \frac{3}{5} =$ .....

A $1\frac{3}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $1\frac{2}{5}$

16 $3 - 2\frac{1}{4} =$ .....

A $1\frac{3}{4}$ B $2\frac{3}{4}$ C $\frac{3}{4}$ D $5\frac{1}{4}$

17 $5\frac{5}{9} - 2\frac{1}{9} =$ .....

A $3\frac{4}{0}$ B $3\frac{4}{9}$ C $7\frac{4}{9}$ D $7\frac{6}{9}$

18 *Which of the following fractions is the least?*

A $\frac{1}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $\frac{4}{5}$

19 $\frac{1}{4} < \frac{1}{\text{.....}}$

A 8 B 7 C 5 D 3

20 *Which relation is correct?*

A $\frac{7}{12} > \frac{7}{9}$ B $\frac{7}{8} < \frac{7}{10}$ C $\frac{7}{13} < \frac{7}{11}$ D $\frac{7}{15} > \frac{7}{9}$

21 *Which relation is correct?*

A $\frac{3}{7} > \frac{5}{7}$ B $\frac{6}{7} < \frac{4}{7}$ C $\frac{1}{7} > \frac{3}{7}$ D $\frac{1}{7} < \frac{5}{7}$

22 $\frac{7}{12}$ *is closer to the benchmark fraction .....*

A) 1 B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) 0

23 *Which of the following fractions is greater than 1?*

A) $\frac{4}{5}$ B) $\frac{5}{8}$ C) $\frac{7}{5}$ D) $\frac{9}{10}$

24 *Which number fits in the blank?* $\frac{2}{3} = \frac{18}{.....}$

A) 6 B) 9 C) 19 D) 27

25 *What is the missing numerator?* $\frac{25}{35} = \frac{.....}{7}$

A) 3 B) 5 C) 10 D) 15

26 *What fraction is <u>not</u> equivalent to* $\frac{3}{9}$ *?*

A) $\frac{6}{12}$ B) $\frac{5}{15}$ C) $\frac{2}{6}$ D) $\frac{1}{3}$

27 $\frac{2}{7} \times 3 =$ .....

A) $\frac{5}{7}$ B) $\frac{6}{7}$ C) $\frac{5}{21}$ D) $\frac{6}{21}$

28 $\frac{14}{3}$ = ... *(as a mixed number)*

A) $4\frac{1}{3}$ B) $3\frac{2}{4}$ C) $4\frac{2}{3}$ D) $2\frac{2}{3}$

29 $2\frac{3}{7}$ = ... *(as an improper fraction)*

A) $\frac{17}{3}$ B) $\frac{17}{7}$ C) $\frac{14}{7}$ D) $\frac{11}{7}$

30 $2\frac{3}{7} + 3\frac{4}{7} =$ .....

A $5\frac{3}{7}$ B $2\frac{2}{7}$ C $4\frac{4}{7}$ D 6

31 $2 - 1\frac{3}{5} =$ .....

A $1\frac{3}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $1\frac{2}{5}$

32 $2 + 1\frac{3}{5} =$ .....

A $3\frac{3}{5}$ B $2\frac{3}{5}$ C $\frac{3}{5}$ D $5\frac{1}{5}$

33 $5\frac{1}{6} - 2\frac{5}{6} =$ .....

A $1\frac{4}{6}$ B $2\frac{2}{6}$ C $7\frac{5}{6}$ D $7\frac{1}{6}$

34 $5\frac{1}{4} =$ ..... *(as an improper fraction)*

A $\frac{5}{4}$ B $\frac{7}{4}$ C $\frac{9}{4}$ D $\frac{21}{4}$

35 $\frac{18}{5} =$ ..... *(as a mixed number)*

A $3\frac{3}{5}$ B $2\frac{4}{5}$ C $3\frac{2}{5}$ D $1\frac{3}{5}$

36 *Which of the following is a proper fraction?*

A $10\frac{1}{5}$ B $\frac{9}{7}$ C $\frac{5}{6}$ D $\frac{3}{2}$

37 *Which of the following is an improper fraction?*

A $\frac{5}{2}$ B $\frac{1}{5}$ C $\frac{2}{3}$ D $5\frac{1}{2}$

2) Complete:

1. $\frac{12}{20} = \frac{\ldots\ldots}{5}$
2. $5\frac{5}{6} + 2\frac{1}{6} = \ldots\ldots\ldots\ldots$
3. $1 + 1\frac{1}{6} = \ldots\ldots\ldots\ldots$
4. $\frac{5}{8} = \frac{\ldots\ldots}{16}$
5. $5 - 2\frac{2}{5} = \ldots\ldots\ldots\ldots$
6. $3 - 1\frac{1}{6} = \ldots\ldots\ldots\ldots$
7. $1 - \frac{2}{5} = \ldots\ldots\ldots\ldots$
8. $\frac{20}{36} = \frac{\ldots\ldots}{9}$
9. $\frac{2}{3} = \frac{\ldots\ldots}{12}$
10. $\frac{3}{5} = \frac{\ldots\ldots}{10}$
11. The proper fraction has the numerator …… than the denominator.
12. $\frac{7}{2}$ is an …… fraction.
13. $\frac{3}{5}$ is a …… fraction.
14. $3\frac{2}{5} - 1\frac{4}{5} = \ldots\ldots\ldots\ldots$
15. $3\frac{3}{4} = \ldots\ldots\ldots\ldots$ (as an improper fraction)

16 $\frac{17}{3}$ = ... *(as a mixed number)*

17 $4\frac{1}{5}$ = ... *(as an improper fraction)*

18 $\frac{3}{4} \times \frac{2}{2}$ = ...

19 $2\frac{6}{9} - 1\frac{2}{9}$ = ...

20 $\frac{5}{10} - \frac{2}{10}$ = ...

21 $\frac{4}{7} \times$ ..... = $\frac{16}{28}$

22 $\frac{2}{5} = \frac{.....}{25}$

23 $\frac{5}{8} \times \frac{.....}{3} = \frac{15}{24}$

24 $2 - \frac{1}{3} - \frac{1}{3}$ = ...

25 $4\frac{2}{5} + 3\frac{3}{5}$ = ...

26 $4\frac{4}{7} - 2\frac{2}{7}$ = ...

27 $\frac{.....}{7} = 1$

28 $\frac{.....}{3} = 5$

29 $\frac{.....}{5} = 2$

30 $\frac{7}{7} = \frac{5}{.....}$

3) Answer the following questions:

1 Hany drank $1\frac{3}{8}$ liters of water. Samir drank $1\frac{5}{8}$ liters of water.

How many liters of water did Hany and Samir drink together?

.....

.....

2 Badr bought $1\frac{1}{2}$ kilograms of sugar, $2\frac{1}{2}$ kilograms of flour and $1\frac{1}{2}$ kilograms of rice.

What is the total number of the kilograms that Badr bought?

.....

.....

3 Each of Otman and Ramzy has a bar of sweet of the same size. If Othman ate $\frac{4}{6}$ of this bar and Ramzy ate $\frac{4}{8}$ of this bar. Who ate more?

.....

.....

4 Amir has 12 cakes, he ate $\frac{1}{4}$ of them. How many cakes did Amir ate?

.....

.....

5 Nabil has 9 has cakes $\frac{2}{3}$ of them have chocolate. How many chocolate cakes are there?

.....

.....

6 *Manar is making a drink that requires $\frac{5}{8}$ liter of milk, and has only $\frac{2}{8}$ liter of milk.*

How much milk does Manar need more to make the drink?

.....

.....

7 *Samira cut a cake into 8 equal parts and ate one part of them.*

What is the fraction that represents the remaining parts?

.....

.....

8 *Ayman finished $\frac{2}{7}$ of the homework before his coming back home.*

What fraction represents the remaining part of the homework?

.....

.....

9 *Hala spends $\frac{1}{10}$ from her pocket money to buy a toy.*

What fraction represents the remaining money of her money?

.....

.....

10 *A piece of wood of length $\frac{12}{15}$ meter. Another piece of wood of length $\frac{9}{15}$ meter.*

What is the length of two pieces of wood together?

.....

.....

1) Choose the correct answer:

1 *Which of the following is a unit fraction?*

A $\frac{1}{8}$ B $\frac{3}{8}$ C $\frac{8}{8}$ D $\frac{8}{1}$

2 *Which is correct decomposition of* $\frac{5}{9}$ *using unit fractions?*

A $\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{2}{9}=\frac{5}{9}$

B $\frac{1}{9}+\frac{4}{9}=\frac{5}{9}$

C $\frac{3}{9}+\frac{2}{9}=\frac{5}{9}$

D $\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{1}{9}+\frac{1}{9}=\frac{5}{9}$

3 *Which equation is not a correct decomposition of* $\frac{10}{11}$

A $\frac{1}{11}+\frac{2}{11}+\frac{3}{11}+\frac{4}{11}=\frac{10}{11}$

B $\frac{1}{11}+\frac{2}{11}+\frac{8}{11}=\frac{10}{11}$

C $\frac{5}{11}+\frac{5}{11}=\frac{10}{11}$

D $\frac{1}{11}+\frac{2}{11}+\frac{2}{11}+\frac{2}{11}+\frac{3}{11}=\frac{10}{11}$

4 $\frac{3}{9}+\frac{6}{9}=$ .....

A $\frac{3}{9}$ B $\frac{9}{18}$ C 1 D $\frac{6}{9}$

5 *Which of the following is an improper fraction?*

A $2\frac{1}{5}$ B $\frac{5}{7}$ C $\frac{1}{4}$ D $\frac{3}{2}$

6 *Which of the following is a mixed number?*

A $\frac{3}{2}$ B $\frac{51}{5}$ C $\frac{2}{3}$ D $5\frac{1}{2}$

7 $4\frac{1}{2}$ = ... *(as an improper fraction)*

A $\frac{5}{2}$ B $\frac{7}{2}$ C $\frac{9}{2}$ D $\frac{9}{4}$

8 $\frac{20}{7}$ = ... *(as a mixed number)*

A $3\frac{1}{7}$ B $2\frac{6}{7}$ C $2\frac{1}{7}$ D $1\frac{6}{7}$

9 $\frac{38}{6}$ = ... *(as a mixed number)*

A $6\frac{2}{6}$ B $2\frac{5}{6}$ C $2\frac{1}{6}$ D $5\frac{3}{6}$

10 *Which of the following mixed numbers is equal to* $\frac{6}{5}$ *?*

A $1\frac{1}{2}$ B $1\frac{1}{12}$ C $1\frac{1}{5}$ D $1\frac{1}{6}$

11 $\frac{3}{4} + \frac{1}{4}$ = ...

A $\frac{1}{4}$ B $\frac{9}{18}$ C 1 D $\frac{20}{81}$

12 $4 + \frac{7}{11} + 2 + \frac{1}{11}$ = ...

A $6\frac{8}{11}$ B $6\frac{8}{22}$ C $2\frac{6}{11}$ D $7\frac{8}{11}$

13 $1\frac{1}{4} + \frac{3}{4}$ = ...

A $2\frac{1}{4}$ B 2 C 4 D $2\frac{3}{4}$

14 $2\frac{1}{5} + 1\frac{2}{5} =$ .....

A $3\frac{3}{5}$ B $2\frac{2}{5}$ C $4\frac{4}{5}$ D 4

15 $1 - \frac{3}{5} =$ .....

A $1\frac{3}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $1\frac{2}{5}$

16 $3 - 2\frac{1}{4} =$ .....

A $1\frac{3}{4}$ B $2\frac{3}{4}$ C $\frac{3}{4}$ D $5\frac{1}{4}$

17 $5\frac{5}{9} - 2\frac{1}{9} =$ .....

A $3\frac{4}{0}$ B $3\frac{4}{9}$ C $7\frac{4}{9}$ D $7\frac{6}{9}$

18 *Which of the following fractions is the least?*

A $\frac{1}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $\frac{4}{5}$

19 $\frac{1}{4} < \frac{1}{\ldots\ldots}$

A 8 B 7 C 5 D 3

20 *Which relation is correct?*

A $\frac{7}{12} > \frac{7}{9}$ B $\frac{7}{8} < \frac{7}{10}$ C $\frac{7}{13} < \frac{7}{11}$ D $\frac{7}{15} > \frac{7}{9}$

21 *Which relation is correct?*

A $\frac{3}{7} > \frac{5}{7}$ B $\frac{6}{7} < \frac{4}{7}$ C $\frac{1}{7} > \frac{3}{7}$ D $\frac{1}{7} < \frac{5}{7}$

22 $\frac{7}{12}$ *is closer to the benchmark fraction .....*

A) 1 B) $\frac{1}{2}$ C) $\frac{1}{4}$ D) 0

23 *Which of the following fractions is greater than 1?*

A) $\frac{4}{5}$ B) $\frac{5}{8}$ C) $\frac{7}{5}$ D) $\frac{9}{10}$

24 *Which number fits in the blank?* $\frac{2}{3} = \frac{18}{.....}$

A) 6 B) 9 C) 19 D) 27

25 *What is the missing numerator?* $\frac{25}{35} = \frac{.....}{7}$

A) 3 B) 5 C) 10 D) 15

26 *What fraction is <u>not</u> equivalent to* $\frac{3}{9}$ *?*

A) $\frac{6}{12}$ B) $\frac{5}{15}$ C) $\frac{2}{6}$ D) $\frac{1}{3}$

27 $\frac{2}{7} \times 3 =$ .....

A) $\frac{5}{7}$ B) $\frac{6}{7}$ C) $\frac{5}{21}$ D) $\frac{6}{21}$

28 $\frac{14}{3}$ = ... *(as a mixed number)*

A) $4\frac{1}{3}$ B) $3\frac{2}{4}$ C) $4\frac{2}{3}$ D) $2\frac{2}{3}$

29 $2\frac{3}{7}$ = ... *(as an improper fraction)*

A) $\frac{17}{3}$ B) $\frac{17}{7}$ C) $\frac{14}{7}$ D) $\frac{11}{7}$

30 $2\frac{3}{7} + 3\frac{4}{7} =$ .....

A $5\frac{3}{7}$ B $2\frac{2}{7}$ C $4\frac{4}{7}$ D 6

31 $2 - 1\frac{3}{5} =$ .....

A $1\frac{3}{5}$ B $\frac{2}{5}$ C $\frac{3}{5}$ D $1\frac{2}{5}$

32 $2 + 1\frac{3}{5} =$ .....

A $3\frac{3}{5}$ B $2\frac{3}{5}$ C $\frac{3}{5}$ D $5\frac{1}{5}$

33 $5\frac{1}{6} - 2\frac{5}{6} =$ .....

A $1\frac{4}{6}$ B $2\frac{2}{6}$ C $7\frac{5}{6}$ D $7\frac{1}{6}$

34 $5\frac{1}{4} =$ ..... *(as an improper fraction)*

A $\frac{5}{4}$ B $\frac{7}{4}$ C $\frac{9}{4}$ D $\frac{21}{4}$

35 $\frac{18}{5} =$ ..... *(as a mixed number)*

A $3\frac{3}{5}$ B $2\frac{4}{5}$ C $3\frac{2}{5}$ D $1\frac{3}{5}$

36 *Which of the following is a proper fraction?*

A $10\frac{1}{5}$ B $\frac{9}{7}$ C $\frac{5}{6}$ D $\frac{3}{2}$

37 *Which of the following is an improper fraction?*

A $\frac{5}{2}$ B $\frac{1}{5}$ C $\frac{2}{3}$ D $5\frac{1}{2}$

2) Complete:

1. $\frac{12}{20} = \frac{3}{5}$
2. $5\frac{5}{6} + 2\frac{1}{6} = \frac{7\,6}{6} = 8$
3. $1 + 1\frac{1}{6} = \frac{2\,2}{6}$
4. $\frac{5}{8} = \frac{10}{16}$
5. $5 - 2\frac{2}{5} = 2\frac{3}{5}$
6. $3 - 1\frac{1}{6} = 1\frac{5}{6}$
7. $1 - \frac{2}{5} = \frac{3}{5}$
8. $\frac{20}{36} = \frac{5}{9}$
9. $\frac{2}{3} = \frac{8}{12}$
10. $\frac{3}{5} = \frac{6}{10}$
11. The proper fraction has the numerator ..less.. than the denominator.
12. $\frac{7}{2}$ is an ..Improper.. fraction.
13. $\frac{3}{5}$ is a ..Proper.. fraction.
14. $3\frac{2}{5} - 1\frac{4}{5} = 1\frac{3}{5}$
15. $3\frac{3}{4} = \frac{15}{4}$ (as an improper fraction)

16 $\frac{17}{3}$ = 5 $\frac{2}{3}$ *(as a mixed number)*

17 $4\frac{1}{5}$ = $\frac{21}{5}$ *(as an improper fraction)*

18 $\frac{3}{4} \times \frac{2}{2}$ = $\frac{6}{8}$

19 $2\frac{6}{9} - 1\frac{2}{9}$ = $1\frac{4}{9}$

20 $\frac{5}{10} - \frac{2}{10}$ = $\frac{3}{10}$

21 $\frac{4}{7} \times \frac{4}{4} = \frac{16}{28}$

22 $\frac{2}{5} = \frac{10}{25}$

23 $\frac{5}{8} \times \frac{3}{3} = \frac{15}{24}$

24 $2 - \frac{1}{3} - \frac{1}{3}$ = $1\frac{1}{3}$

25 $4\frac{2}{5} + 3\frac{3}{5}$ = $7\frac{5}{5} = 8$

26 $4\frac{4}{7} - 2\frac{2}{7}$ = $2\frac{2}{7}$

27 $\frac{7}{7}$ = 1

28 $\frac{15}{3}$ = 5

29 $\frac{10}{5}$ = 2

30 $\frac{7}{7} = \frac{5}{5}$

3) Answer the following questions:

1 Hany drank $1\frac{3}{8}$ liters of water. Samir drank $1\frac{5}{8}$ liters of water.

How many liters of water did Hany and Samir drink together?

$1\frac{3}{8} + 1\frac{5}{8} = 2\frac{8}{8} = 3$ Liters

2 Badr bought $1\frac{1}{2}$ kilograms of sugar, $2\frac{1}{2}$ kilograms of flour and $1\frac{1}{2}$ kilograms of rice.

What is the total number of the kilograms that Badr bought?

$1\frac{1}{2} + 2\frac{1}{2} + 1\frac{1}{2} = 4\frac{3}{2} = 5\frac{1}{2}$ kg

3 Each of Otman and Ramzy has a bar of sweet of the same size. If Othman ate $\frac{4}{6}$ of this bar and Ramzy ate $\frac{4}{8}$ of this bar. Who ate more?

Othman $\frac{4}{6}$ > Ramzy $\frac{4}{8}$ Othman ate more

4 Amir has 12 cakes, he ate $\frac{1}{4}$ of them. How many cakes did Amir ate?

$12 \times \frac{1}{4} = \frac{12}{4} = 3$ Cakes

5 Nabil has 9 has cakes $\frac{2}{3}$ of them have chocolate. How many chocolate cakes are there?

$9 \times \frac{2}{3} = \frac{18}{3} = 6$ Chocolate Cakes

6 *Manar is making a drink that requires $\frac{5}{8}$ liter of milk, and has only $\frac{2}{8}$ liter of milk.*

How much milk does Manar need more to make the drink?

$\frac{5}{8} - \frac{2}{8} = \frac{3}{8}$ Liter

7 *Samira cut a cake into 8 equal parts and ate one part of them.*

What is the fraction that represents the remaining parts?

$\frac{8}{8} 1 - \frac{1}{8} = \frac{7}{8}$

8 *Ayman finished $\frac{2}{7}$ of the homework before his coming back home.*

What fraction represents the remaining part of the homework?

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

9 *Hala spends $\frac{1}{10}$ from her pocket money to buy a toy.*

What fraction represents the remaining money of her money?

$\frac{10}{10} 1 - \frac{1}{10} = \frac{9}{10}$

10 *A piece of wood of length $\frac{12}{15}$ meter. Another piece of wood of length $\frac{9}{15}$ meter.*

What is the length of two pieces of wood together?

$\frac{12}{15} + \frac{9}{15} = \frac{21}{15} = 1\frac{6}{15}$ m