



الفصل الدراسي
الأول
2024/2023

Lesson 2

Unit one

الصف
Sixth

المادة
Math



writing expressions using G.C.F
الاجابات نهاية الامتحان

Q1

Multiple choice

1. $12 + 8 = \dots\dots\dots$

- a. $2(2 + 3)$ b. $3(4 + 2)$ c. $4(2 + 5)$ d. $4(2 + 3)$

2. Which expression shows a way to factor $20 + 24$?

- a. $2(10 + 7)$ b. $4(5 + 7)$ c. $4(5 + 6)$ D. $2(10 + 11)$

3. $12(4 + 5) = 48 + 50$.

- a. True b. False

4. the LCM of 8 and 12.

- a. 48 b. 24 c. 36 d. 12

5. $4 \times (1200 \div 20)$, $1200 \div 20$ The two expressions are equivalent.....

- a. True b. False

6. $18 + 28 =$

- A. $4(9 + 14)$ B. $2(9 + 14)$ C. $2(7 + 14)$ D. $2(9 + 4)$

7. $2 \times (5 + 3) = \dots\dots\dots$

- A. $(3 \times 3)(2 \times 5)$ B. $(5 \times 3)(2 \times 3)$ C. $(2 \times 3)(2 \times 5)$ D. $(2 \times 3) + (2 \times 5)$

8 -Aya is making stationery sets from 12 sheets of paper and 18 envelopes. If she wants all the sets to be identical without any paper or envelopes left over, what is the greatest number of sets Leah can make?

- a. $2 \cdot 3 \cdot 7$ b. 6 c. 12





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9. $4 \times (3+4) =$

- a. $(4 \times 3) + (4 \times 4)$ b. $(4 \times 3) (4 \times 4)$ c. $(4 \times 3) + (3 \times 4)$ d. $(4 \times 3)(3 \times 4)$

Q2

Solve the followings

• $\frac{3}{4} + \frac{1}{3} =$

.....

• $\frac{5}{8} + \frac{1}{4} =$

.....

• $\frac{7}{9} - \frac{2}{3} =$

.....

• $4\frac{2}{3} + 2\frac{3}{4} =$

.....

Q3

Solve the following

Cups are sold 5 to a package and plates are sold 10 to a package. If you want to have the same number of each item for a party, what is the least number of packages of each you need to buy?

Q4

Choose the LCM for each pair of numbers from the given values

ب- 8, 5, ...

أ- 12, 4, ...

د- 9, 6, ...

ج- 10, 6, ...

12 16 18 20 24 28 30
32 36 40 48 54 60

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Q1

Multiple choice

2. $12 + 8 = \dots\dots\dots$

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2. Which expression shows a way to factor $20 + 24$?

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- A. $4(9 + 14)$ B. $2(9 + 14)$ C. $2(7 + 14)$ D. $2(9 + 4)$

7. $2 \times (5 + 3) = \dots\dots\dots$

- A. $(3 \times 3)(2 \times 5)$ B. $(5 \times 3)(2 \times 3)$
C. $(2 \times 3)(2 \times 5)$ D. $(2 \times 3) + (2 \times 5)$

8 -Aya is making stationery sets from 12 sheets of paper and 18 envelopes. If she wants all the sets to be identical without any paper or envelopes left over, what is the greatest number of sets Leah can make?

- a. 18 b. 6 c. 12





9. $4 \times (3+4) =$

a. $(4 \times 3) + (4 \times 4)$ b. $(4 \times 3) (4 \times 4)$ c. $(4 \times 3) + (3 \times 4)$ d. $(4 \times 3)(3 \times 4)$

Q2

Solve the followings

• $\frac{3}{4} + \frac{1}{3} = \frac{9}{12} + \frac{4}{12} = \frac{13}{12}$

• $\frac{5}{8} + \frac{1}{4} = \frac{5}{8} + \frac{2}{8} = \frac{7}{8}$

• $\frac{7}{9} - \frac{2}{3} = \frac{7}{9} - \frac{6}{9} = \frac{1}{9}$

• $4\frac{2}{3} + 2\frac{3}{4} = \frac{16}{3} + \frac{11}{4} = \frac{82}{12} + \frac{33}{12} = \frac{115}{12}$

Q3

Solve the following

Cups are sold 5 to a package and plates are sold 10 to a package. If you want to have the same number of each item for a party, what is the least number of packages of each you need to buy?

Multiples of 5: 5, 10, 15, 20, 25 10: 10, 20, 30 You should buy 10 of each.

So you need 2 package of cups ($5 \times 2 = 10$) and 1 of plates ($10 \times 1 = 10$).

You should buy 2 packages of cups and 1 package of plates

Q3

Choose the LCM for each pair of numbers from the given values

12 16 18 20 24 28 30
32 36 40 48 54 60

8, 5, **40**

12, 4, **12**

9, 6, **18**

10, 6, **30**

