

Practice Worksheet on Multiplication and Division of Natural Numbers

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Subject: Mathematics

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Long Answer Questions

1. Question 1: Perform the following multiplications:

- a) 116×10
- b) 140×100
- c) 826×2
- d) 162×12
- e) 125×21

2. Question 2: Calculate using the most convenient method:

- a) $145 \times 5 \times 4$
- b) $67 \times 4 \times 150$
- c) $25 \times (235 - 40)$
- d) $68 - 41 - 48 + 41$
- e) $15 \div 54 - 15 \div 14 + 15 \times 10$

3. Question 3: Perform the following divisions:

- a) $216 \div 4$
- b) $7500 \div 250$
- c) $2430 \div 15$
- d) $7000 \div 28$

4. Question 4: Perform the following divisions with remainders:

a) $232 \div 6$

b) $385 \div 17$

c) $750 \div 23$

5. Question 5: Expand the brackets:

a) $5(7 - 4d)$

b) $(5p - 2k + 3t) - 2a$

6. Question 6: Solve the word problem:

Sergiy is four times older than his brother Sasha, and five times younger than his father. How old is his father if Sasha is 2 years old?

7. Question 7: Perform the following multiplications:

a) 146×10

b) 150×1600

c) 626×3

d) 152×13

e) 125×31

8. Question 8: Solve the following equations:

a) $135 \times 4 \times 5$

b) $63 \times 2 \times 150$

c) $25 \times (37 \times 40)$

d) $54 - 61 - 34 + 61$

e) $25 \div 46 - 25 \div 16 + 25 \times 10$

Multiple Choice Questions

1. What is the result of 116×10 ?

- a) 1160
- b) 11600
- c) 1260
- d) 1060

2. What is the result of 140×100 ?

- a) 14000
- b) 1400
- c) 15000
- d) 13000

3. What is the result of 162×12 ?

- a) 1652
- b) 1642
- c) 1552
- d) 1752

4. What is the result of 125×21 ?

- a) 2625
- b) 2525
- c) 2725
- d) 2425

5. What is the result of $145 \times 5 \times 4$?

- a) 720
- b) 620
- c) 820
- d) 700

6. What is the result of $67 \times 4 \times 150$?

- a) 2700

- b) 2600
- c) 2800
- d) 2900

7. What is the result of $216 \div 4$?

- a) 54
- b) 53
- c) 55
- d) 56

8. What is the result of $7500 \div 250$?

- a) 30
- b) 25
- c) 35
- d) 40

Answer Key

Long Answer Questions - Expected Responses

1. Question 1: Perform the following multiplications:

- a) 116×10
- b) 140×100
- c) 826×2
- d) 162×12
- e) 125×21

Expected Answer: Multiply the numbers as usual. For example, $116 \times 10 = 1160$.

2. Question 2: Calculate using the most convenient method:

- a) $145 \times 5 \times 4$
- b) $67 \times 4 \times 150$
- c) $25 \times (235 - 40)$
- d) $68 - 41 - 48 + 41$
- e) $15 \div 54 - 15 \div 14 + 15 \times 10$

Expected Answer: Simplify calculations by rearranging numbers for easier multiplication. For example, $145 \times 5 \times 4$ can be calculated as 145×20 .

3. Question 3: Perform the following divisions:

- a) $216 \div 4$
- b) $7500 \div 250$
- c) $2430 \div 15$
- d) $7000 \div 28$

Expected Answer: Divide the numbers. For example, $216 \div 4 = 54$.

4. Question 4: Perform the following divisions with remainders:

- a) $232 \div 6$
- b) $385 \div 17$
- c) $750 \div 23$

Expected Answer: Divide the numbers and find the remainder. For example, $232 \div 6 = 38$ with a remainder of 4.

5. Question 5: Expand the brackets:

a) $5(7 - 4d)$

b) $(5p - 2k + 3t) - 2a$

Expected Answer: Remove the parentheses by multiplying the number or variable outside with each element inside the parentheses.

6. Question 6: Solve the word problem:

Sergiy is four times older than his brother Sasha, and five times younger than his father. How old is his father if Sasha is 2 years old?

Expected Answer: Formulate equations based on the given information and solve for the unknown.

7. Question 7: Perform the following multiplications:

a) 146×10

b) 150×1600

c) 626×3

d) 152×13

e) 125×31

Expected Answer: Multiply the numbers as usual. For example, $146 \times 10 = 1460$.

8. Question 8: Solve the following equations:

a) $135 \times 4 \times 5$

b) $63 \times 2 \times 150$

c) $25 \times (37 \times 40)$

d) $54 - 61 - 34 + 61$

e) $25 \div 46 - 25 \div 16 + 25 \times 10$

Expected Answer: Solve the equations step by step, following the order of operations (BODMAS/PEMDAS).

Multiple Choice Questions – Correct Answers

1. What is the result of 116×10 ?

Correct Answer: 1160

2. What is the result of 140×100 ?

Correct Answer: 14000

3. What is the result of 162×12 ?

Correct Answer: 1652

4. What is the result of 125×21 ?

Correct Answer: 2625

5. What is the result of $145 \times 5 \times 4$?

Correct Answer: 720

6. What is the result of $67 \times 4 \times 150$?

Correct Answer: 2700

7. What is the result of $216 \div 4$?

Correct Answer: 54

8. What is the result of $7500 \div 250$?

Correct Answer: 30