

Important Concepts . . .

Preview Review



Mathematics

Grade 4

W2 - Quiz

Important Concepts of Grade 4 Mathematics

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Materials Required

Mathematics Grade 4

Version 5

Preview/Review W2 - Quiz

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Preview/Review Concepts for Grade Four Mathematics



W2 - Quiz

W2 - Quiz**Score: /50**

1. Write the four number facts for each fact family. (2 marks)

a. 6, 7, 42

b. 7, 8, 56

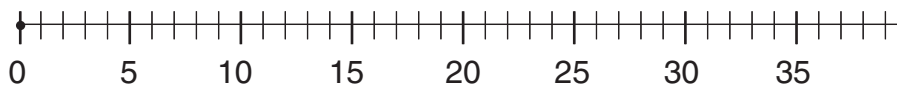
2. Show how addition and multiplication are related.

a. Draw an array showing 9 rows of 4. Circle each group of 4. (2 marks)

b. Write an addition sentence for 9 groups of 4. (1 mark)

c. Write a multiplication sentence for 9 groups of 4. (1 mark)

d. Show how you can find the answer to 2c by skip counting. (1 mark)



3. Fill in each blank with the correct answer. Choose from the words in the box. (3 marks)

array	one	product	factor	subtraction
nine	zero	divisor	quotient	remainder

- a. In the number sentence $8 \times 6 = 48$, 48 is the _____.
- b. An _____ is a group of objects arranged in rows and columns.
- c. When you multiply any number by _____, the answer is always that number.
- d. In $8 \overline{) 72}^9$ the 9 is called the _____.
- e. Whenever you divide a number into zero, the answer is always _____.
- f. In the number sentence $8 \times 8 = 64$, each 8 is called a _____.

4. Complete each of the following. Use the **Tacking on Zeros** strategy. (2 marks)

a. $17 \times 10 = \underline{\hspace{2cm}}$

b. $30 \times 100 = \underline{\hspace{2cm}}$

c. $10 \times 101 = \underline{\hspace{2cm}}$

d. $5 \times 900 = \underline{\hspace{2cm}}$

5. For each question below, round the second number. Then, multiply to find the estimated answer. (3 marks)

a. $6 \times 58 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

b. $5 \times 43 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

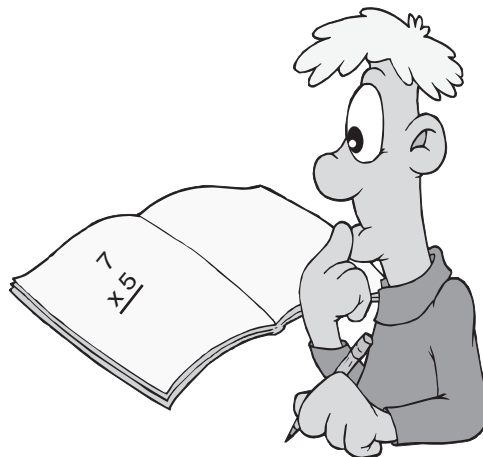
c. $2 \times 99 = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

6. Use the short form method of multiplying to find the answer to each question below. (6 marks)

a.
$$\begin{array}{r} 34 \\ \times 4 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 57 \\ \times 8 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 72 \\ \times 7 \\ \hline \end{array}$$



7. Find the answer for the question below. First, find the product using the **expanded number method**. Then, check your answer by finding the product again using the **short form method**. (4 marks)

Expanded Number Method

$$\begin{array}{r} 682 \\ \times 6 \\ \hline \end{array} \rightarrow \begin{array}{c} \boxed{} + \boxed{} + \boxed{} \\ \times \end{array}$$

Short Form Method

$$\begin{array}{r} 682 \\ \times 6 \\ \hline \end{array}$$

8. Show how to solve the division problem $42 \div 6$ by skip counting backwards. Then write the complete division sentence on the line below. (2 marks)



Division Sentence: _____

9. Use the *Zapping the Zeros* strategy to answer the following questions. (2 marks)

a. $450 \div 10 = \underline{\hspace{2cm}}$

b. $240 \div 30 = \underline{\hspace{2cm}}$

c. $630 \div 70 = \underline{\hspace{2cm}}$

d. $110 \div 10 = \underline{\hspace{2cm}}$

10. Find each quotient. Use the four-step method. (4 marks)

a. $5 \overline{)77}$

b. $4 \overline{)96}$

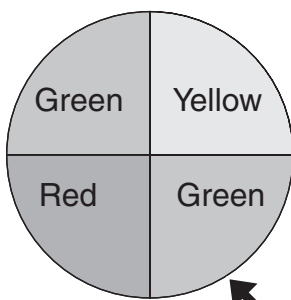
11. Sixty-two children signed up to play basketball. How many teams of 5 can be made? (3 marks)



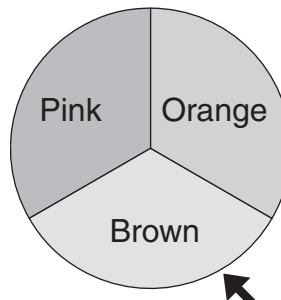
12. Jack set out chairs for a meeting. He set out 27 rows. Each row has 9 chairs. How many chairs did he set out. (3 marks)



Use the drawings of the two spinners below to answer Questions 13 and 14.



Spinner A



Spinner B

13. a. For Spinner B, the probability of the arrow pointing to brown is _____ in _____ chances. (1 mark)
- b. For Spinner A, the probability of the arrow pointing to green is _____ in _____ chances. (1 mark)
14. Use the words **possible**, **impossible**, **likely**, or **unlikely** to describe the chance of each outcome happening. (4 marks)
- a. For Spinner A, the arrow will point to green or yellow:
- _____
- b. For Spinner, A, the arrow will point to red three times in a row:
- _____
- c. For Spinner B, the arrow will point to pink ten times in a row:
- _____
- d. For Spinner B, the arrow will point to purple:
- _____

15. Lisa has a jar of quarters, dimes, and nickels. How many different ways can she make 50 cents? Use the *Make-A-List* Strategy. (5 marks)

25¢	10¢	5¢

Sentence answer: _____

