

End of Year Examination Revision Worksheet

Grade 3 – Mathematics

Name: _____ Section: _____ Date: _____

Q1. Arrange the following fractions in order, starting with the smallest.

i. $\frac{1}{4}, \frac{1}{6}, \frac{1}{2}, \frac{1}{5}$

ii. $\frac{2}{8}, \frac{2}{4}, \frac{2}{12}, \frac{2}{6}$

iii. $\frac{7}{10}, \frac{6}{10}, \frac{8}{10}, \frac{2}{10}, \frac{5}{10}$

Q2. Find:

i. Half of 50 = _____

ii. A quarter of 36 = _____

iii. One-fifth of 45 = _____

Q3. Is the following statement always, sometimes, or never true?

“If you divide a shape into four parts, you have split it into quarters.” Explain your answer.

Q4. Jake takes \$42 to the arcade. He spends $\frac{1}{7}$ of his money. How much money does he spend?

Q5. George has a packet of candies. The packet contains 5 orange candies, 5 blue candies, and 10 green candies. George says, 'Half the candies are green.' Is he correct?

Q6. Solve the following:

i. $\frac{1}{6}$ of 36

ii. $\frac{1}{8}$ of 48

iii. $\frac{1}{3}$ of 27

Q7. Which would you choose: $\frac{1}{3}$ of \$15 or $\frac{1}{4}$ of \$24? Explain how you worked out your answer.

Q8. Ali has completed $\frac{5}{8}$ of his homework. What fraction of the homework does he still have left to complete?

Q9. Find the first five equivalent fractions of the given fractions.

i. $\frac{3}{4}$

ii. $\frac{5}{6}$

iii. $\frac{1}{2}$

Q10. Use the correct sign $<$, $>$, or $=$ to compare each pair of fractions.

i. $\frac{3}{4}$ ----- $\frac{6}{8}$

iii. $\frac{1}{2}$ ----- $\frac{3}{8}$

ii. $\frac{1}{3}$ ----- $\frac{5}{6}$

iv. $\frac{1}{2}$ ----- $\frac{3}{4}$

Q11. Arrange the following fractions in order, starting with the greatest.

$$\frac{5}{16}, \frac{1}{4}, \frac{3}{8}$$

Q12. Which one is the odd one out? Explain your answer.

$$\frac{1}{6}, \frac{3}{4}, \frac{9}{12}$$

Q13. Work out these calculations:

i. $\frac{4}{7} + \frac{2}{7} =$ _____

ii. $\frac{9}{10} + \frac{4}{10} =$ _____

iii. $\frac{6}{9} + \frac{1}{9} =$ _____

Q14. Fill in the missing numbers:

i. $\frac{2}{5} + \underline{\hspace{1cm}} = \frac{4}{5}$

ii. $\frac{1}{6} + \frac{2}{6} + \underline{\hspace{1cm}} = \frac{6}{6}$

iii. $\underline{\hspace{1cm}} - \frac{3}{8} = \frac{4}{8}$

iv. $\underline{\hspace{1cm}} - \frac{1}{10} = \frac{2}{10} + \frac{3}{10}$

Q15. Make your own fractions:

- i. Write two fractions (with the same denominator) that add up to $\frac{6}{7}$.
- ii. Write two fractions (with the same denominator) where the difference is $\frac{6}{13}$.

Q16. Draw a shape and shade $\frac{6}{10}$ of it.

Q17. Sara walked $\frac{3}{6}$ of a track in the morning and $\frac{2}{6}$ in the evening. How much of the track did she walk in total? Did she complete the whole track?

Q18. Write the following fractions as percentages:

i. $\frac{1}{2}$

ii. $\frac{3}{4}$

iii. $\frac{1}{4}$

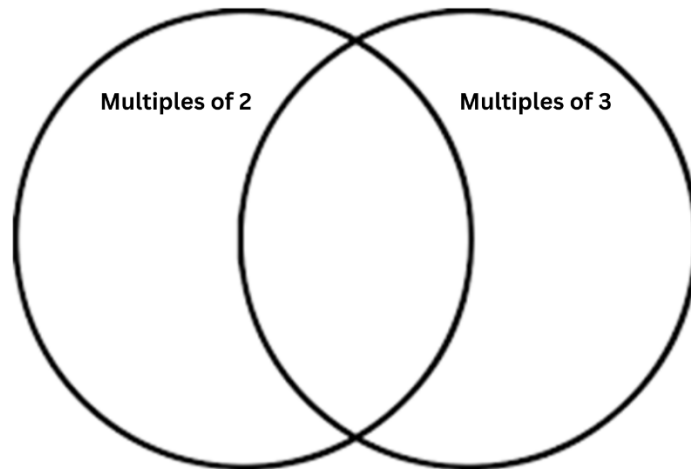
iv. $\frac{15}{100}$

v. $\frac{85}{100}$

Q19. Zara brought a chocolate cake on her birthday. Zara ate 25% of the cake, and her friends ate 50% of the cake. What percentage of the cake is left?

Q20. Write the given numbers in the correct places in the Venn diagram.

6, 9, 8, 12, 27, 18, 14, 15



Factors: Numbers that divide the given number without leaving a remainder.

Q21. Write down the factors of the following: (work out in the form of factor pairs).

- | | | | |
|------|----|-----|----|
| i. | 25 | iv. | 18 |
| ii. | 12 | v. | 27 |
| iii. | 45 | | |

Q22. Circle all the factors of 24.

7, 1, 8, 2, 4, 6, 9, 3, 36, 82, 24

Q23. Circle all the numbers that are not factors of 15.

1, 3, 2, 10, 12, 15, 5

Q24. Find the product of the following without working.

i. 20×3

ii. 400×3

iii. 8×40

Q25. Find the product of the following. (working should be done)

i. 513×6

ii. 98×4

iii. 356×9

Q26. Ollie has 15 boxes of colored candles. Each box contains 8 candles. How many candles does Ollie have altogether?

Q27. Sally shoots an arrow to 50 meters. Fatima shoots her arrow three times as far as Sally. How far did Fatima's arrow go?

Q28. Solve the following.

i. $54 \div 3$

iv. $64 \div 9$

ii. $94 \div 7$

iii. $85 \div 5$

Q29. The mini cupcakes Avery orders come in packs of 6. If Avery needs 50 cupcakes, how many packs does Avery need to buy?

Q30. Tara plans a painting activity for the party. She sets up four tables and buys 80 paintbrushes. How many paintbrushes can she put on each table?

Q31. Draw a number line from -12 to 12.

Q32. Write $>$ or $<$ to make the statements correct.

- i. -3 _____ 3
- ii. 2 _____ -2
- iii. -5 _____ -8
- iv. -6 _____ 12
- v. -7 _____ 10

Q33. Write these numbers in descending order.

-13, -4, 7, -17, 5, 12, -3

Q34. Write each set of temperatures in order, starting with the coldest temperature:

- i. 8°C , -8°C , 0°C , -13°C , 6°C , -4°C

- ii. -20°C , 7°C , 2°C , -9°C , -3°C , 15°C

iii. 3°C , -4°C , 7°C , -10°C , 9°C

Q35. If $-9 < \square < -5$, what whole numbers could \square be?

Q36. Write divisibility rules for the following numbers.

i. Divisibility rule of 2:

ii. Divisibility rule of 5:

iii. Divisibility rule of 10:

iv. Divisibility rule of 100:

Q37. Identify mentally whether or not each larger number is divisible by the smaller number. Write "yes" if the number is divisible, and "No" if it is not.

i. Is 130 divisible by 2? _____

ii. Is 326 divisible by 5? _____

iii. Is 660 divisible by 10? _____

iv. Is 470 divisible by 5? _____

v. Is 212 divisible by 5? _____

vi. Is 600 divisible by 100? _____

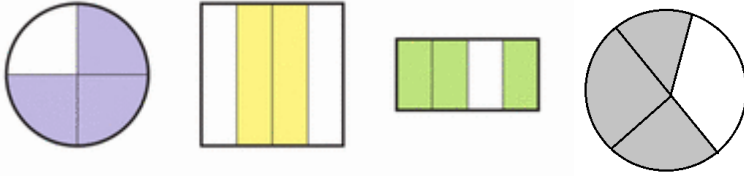
vii. Is 235 divisible by 100? _____

Q38. Vanda thinks that only numbers ending in 5 are divisible by 5. Is she correct? How do you know?

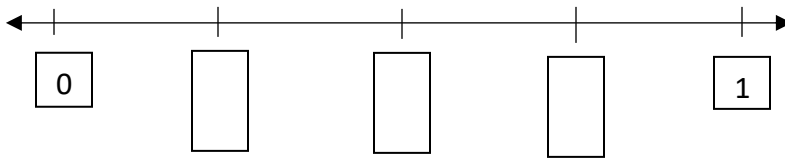
Q39. Circle the numbers that are divisible by both 2 and 5.

50, 6, 25, 20, 10, 15, 8, 40

Q40. Which one is the odd one out? Explain why?



Q41. Here is part of a number line. Write the fractions in the given spaces.



Q42. What percentage of the following diagram is shaded?

