Name _____   Date _____

Instructions:

1. Read each question carefully.
2. Circle the correct answer for each question.
3. Make sure to check your work before moving on to the next question.
4. Good luck and do your best!

1.What is the value of the 3 in the number 347?

a) 3

b) 300

c) 30

d) 3000

2.Which number has 7 in the tens place?

a) 713

b) 137

c) 170

d) 274

3.Which of the following is equivalent to 2 hundreds, 6 tens and 5 ones

a) 256

b) 265

c) 562

d) 625

4.Which number is 100 more than 456?

a) 356

b) 446

c) 556

d) 466

5.What is 812 rounded to the nearest 100?

a) 800

b) 800

c) 900

d) 1000

6.What is 10 less than 743?

a) 753

b) 733

c) 742

d) 734

7.What is the correct order of the following numbers from least to greatest

a) 543, 435, 354

b) 354, 435, 543

c) 435, 354, 543

d) 543, 354, 435

8.What is 256 + 123?

a) 369

b) 379

c) 389

d) 399

9.What is 789 - 345?

a) 344

b) 434

 c) 444

d) 544

10.What is 5 x 60?

a) 30

b) 150

c) 300

d) 350

11.Add 452 + 349=?

a) 791

b) 801

c) 781

d) 701

12.Subtract 837-256= ?

a) 621

b) 581

c) 591

d) 601

13.What is 87 x 10

a) 87

b) 870

c) 807

d) 970

14.What is 7 x 8?

a) 49

b) 56

c) 63

d) 64

15.What is 45 ÷ 5?

a) 7

b) 9

c) 8

 d) 10

16.A box contains 6 chocolates. How many chocolates are there in 9 boxes?

a) 45

b) 50

c) 54

d) 60

17.If 36 sweets are shared equally among 4 children, how many sweets does each child get?

a) 9

b) 8

c) 10

d) 12

18.Which of the following is the same as 8 x 4?

a) 8 + 4

b) 4 + 4 + 4 + 4

c) 8 + 8 + 8 + 8

d) 8 + 8

19.A farmer has 5 rows of apple trees with 7 trees in each row. How many apple trees are there in total?

a) 28

b) 30

c) 35

d) 40

20.If you have 24 stickers and you put them into groups of 3, how many groups will you have?

a) 6

b) 7

c) 8

d) 9

21.What is the next number in this pattern: 3, 6, 9, 12, ____?
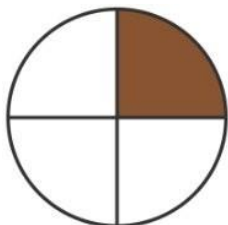
a) 13

b) 15

c) 16

d) 18

22.What is the missing number: 5 x (3 x 2) = (5 x __) x 2

a) 1

b) 2

c) 3

d) 5

23.Which equation shows the relationship between multiplication and division?

a) 5+3=8

b) 8-3=5

c) 6x4=24 and 24÷4=6

d) 5x2=10 and 10+3=13

24.What fraction of the circle is shaded?

a) 1/4
b) 1/2
c) 3/4
d) 2/4

25.If a pizza is cut into 8 slices and you eat 3 slices, what fraction of the pizza did you eat?
a) 5/8
b) 1/8
c) 3/8
d) 2/8

26.Which of the following fractions is the smallest? 1/3, 1/4, 1/2
a) 1/2

b) 1/3

c) 1/4

d) they are all the same

27. Which of these fractions is equal to 2/4?

a) 1/3

b) 1/2

c) 2/3

d) 1/5

28. Which of the following is equivalent to 3/9?

a) 1/2

b) 1/3

c) 2/3

d) 3/2

29. Which of these fractions are equivalent: 2/3, 4/6, 1/2

a) 2/3 and 1/2

b) 1/2 and 4/6

c) 2/3 and 4/6

d) all the fractions are equivalent

Day	Number of Cupcakes Sold During The School Bake Sale
Monday	🧁🧁🧁
Tuesday	🧁🧁🧁
Wednesday	🧁🧁🧁🧁🧁🧁
Thursday	🧁🧁🧁🧁🧁
Friday	🧁🧁🧁🧁🧁🧁🧁🧁🧁🧁

🧁 = 2 Cupcakes

30. On which day were the most cupcakes sold?

a) Monday

b) Tuesday

c) Wednesday

d) Friday

Student Reading
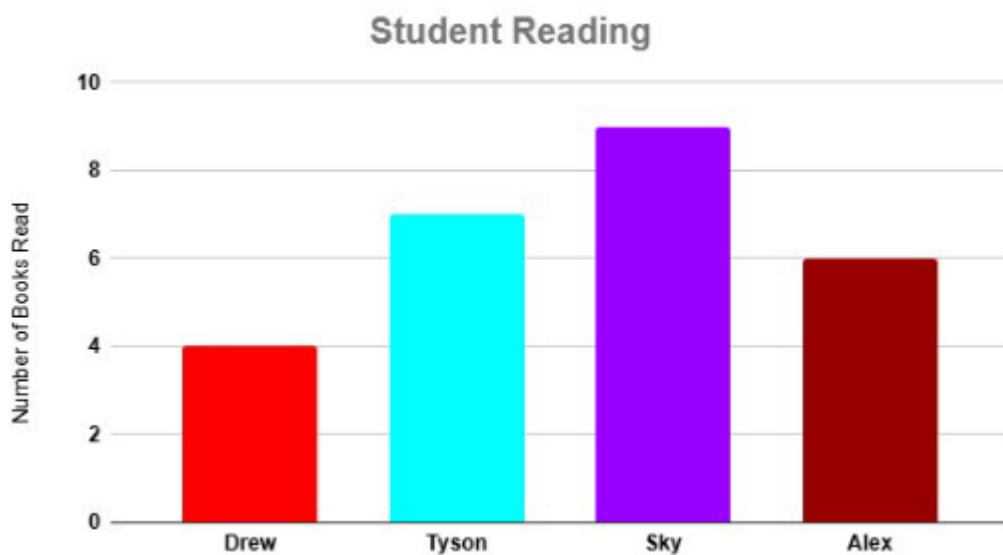
31. How many books did Drew and Alex read together?

a) 8

b) 9

c) 10

d) 12

Number of pets
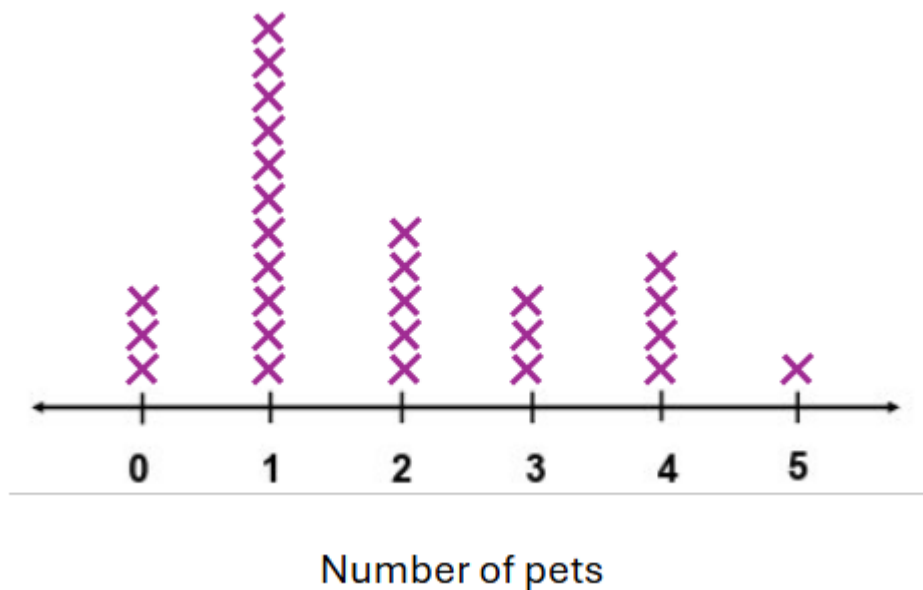
32. How many more students have 1 pet than 3 pets?

a) 2

b) 8

c) 6

d) 4

33.A movie starts at 2:15 pm and ends at 3:30 pm, How long is the movie?

a) 1 hour 45 minutes

b) 1 hour 15 minutes

c) 2 hours

d) 2 hours 15 minutes

34.What is 5kg in grams?

a) 50 grams

b) 500 grams

c) 5000 grams

d) 50,000 grams

35.If a book weighs 250 grams and another book weighs 750 grams, what is the total weight?

a) 800 grams

b) 900 grams

c) 1000 grams

d) 1200 grams

36.A shape has 4 sides and 4 equal angles. What is it?

a) Triangle

b) Rectangle

c) Square

d) Pentagon

37.Which shape has three sides?

a) Square

b) Triangle

c) Rectangle

d) Pentagon

38.What do all quadrilaterals have in common?

a) all angles the same

b) all sides are the same length

c) 4 sides

d) 5 sides

39.What is the area of a rectangle with sides of 5 cm and 7 cm?

a) 12 cm

b) 35 square cm

c) 24 cm

d) 30 square cm

40.What is the perimeter of a square with a side length of 4 cm?

a) 16 cm

b) 8 cm

c) 24 cm

d) 20 square cm

41.What is the area of this shape?
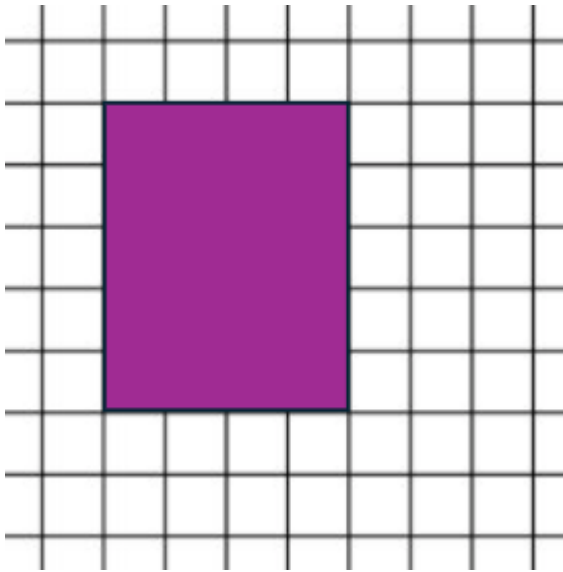
a) 16 square units

b) 18 square units

c) 20 square units

d) 25 square units

42.What is the perimeter of a rectangle with a length of 8cm and a width of 2cm?

a) 20cm

b) 10cm

c) 16cm

d) 16 square cm

43.If a square has an area of 25 square cm, what is the length of each side?

a) 2 cm

b) 4 cm

c) 5 cm

d) 6cm

Well Done!

1. **Great Job!** You've completed the test! Take a moment to read through your answers and make sure you've done your best.
2. **Check Your Work:** Go through each question again carefully. Did you circle the correct answer? Did you solve the problems step by step?
3. **Stay Positive:** If you find any mistakes, don't worry! Mistakes help us learn and grow.
4. **Total Questions Answered:** Count how many questions you answered. Write the total number here: ___ **/ 50**.
5. **How Many Are Correct?** Now, let's check your answers. For each correct answer, give yourself 1 point. Write your total correct answers here: ___ **/ 50**.
6. **Celebrate Your Effort:** No matter your score, you worked hard and did your best. Be proud of yourself!

Remember

1. **Usage**: You can use this test online or print it out for convenience.
2. **Answering**: Write your answers on a piece of paper as you go through the questions.
3. **Checking Answers**: Once you've completed the test, you can find the answer key on the next page to check your responses.
4. **Additional Resources**: The test includes helpful tips, extension questions for further practice, and full explanations for each answer to help you understand the concepts better.

Answer Key

Question 1: What is the value of the 3 in the number 347?

Correct Answer: b) 300

Explanation: The number 347 is made up of 3 hundreds, 4 tens, and 7 ones. The digit 3 is in the **hundreds place**, so its value is **300**.

- **Misconception Alert:** Children might think the value is just 3 because they see the digit "3." Remind them that the place (hundreds, tens, or ones) determines the value.
- **Extend Learning:** Ask, "What is the value of the 4 in 347?" (Answer: 40) or "What is the value of the 7?" (Answer: 7).

Question 2: Which number has 7 in the tens place?

Correct Answer: c) 170

Explanation: Look at the tens place in each number: 713: 1 is in the tens place.137: 3 is in the tens place.170: 7 is in the tens place. 274: 7 is in the hundreds place.

- **Misconception Alert:** Children might confuse the tens place with the hundreds or ones place. Use a place value chart to clarify.
- **Extend Learning:** Ask, "Which number has 3 in the tens place?" (Answer: 137).

Question 3: Which of the following is equivalent to 2 hundreds, 6 tens, and 5 ones?

Correct Answer: b) 265

Explanation: 2 hundreds = 200: 6 tens = 60:5 ones = 5: Add them together: 200 + 60 + 5 = 265.

- **Misconception Alert:** Children might mix up the order of the digits. Use base-ten blocks to represent the number.
- **Extend Learning:** Ask, "What number has 4 hundreds, 0 tens, and 8 ones?" (Answer: 408).

Question 4: Which number is 100 more than 456?

Correct Answer: c) 556

Explanation:
To find 100 more than 456, add 100 to 456: 456 + 100 = 556.

- **Misconception Alert:** Children might add 10 instead of 100. Emphasize that adding 100 increases the hundreds place by 1.
- **Extend Learning:** Ask, "What is 100 less than 456?" (Answer: 356) or "What is 10 more than 456?" (Answer: 466).

Question 5: What is 812 rounded to the nearest 100?

Correct Answer: c) 800

Explanation: To round to the nearest 100, look at the tens digit: If the tens digit is 5 or greater, round up. If it's less than 5, round down. In 812, the tens digit is 1 (which is less than 5), so 812 rounds down to 800.

- **Misconception Alert:** Children might round up because they see the 12 in 812. Remind them to focus on the tens digit.
- **Extend Learning:** Ask, "What is 865 rounded to the nearest 100?" (Answer: 900) or "What is 749 rounded to the nearest 100?" (Answer: 700).

Question 6: What is 10 less than 743?

Correct Answer: b) 733

Explanation: To find 10 less than 743, subtract 10:743 - 10 = 733.

- **Misconception Alert:** Children might subtract 100 instead of 10. Emphasize that subtracting 10 only affects the tens place.
- **Extend Learning:** Ask, "What is 10 more than 743?" (Answer: 753) or "What is 100 less than 743?" (Answer: 643).

Question 7: What is the correct order of the following numbers from least to greatest:

Correct Answer: b) 354, 435, 543

Explanation:
Compare the numbers by looking at the hundreds place first:
- 354 (hundreds place: 3)
- 435 (hundreds place: 4)
- 543 (hundreds place: 5)

So, the order from least to greatest is 354, 435, 543.

- **Misconception Alert:** Children might compare the tens or ones place first. Remind them to always start with the hundreds place.

- **Extend Learning:** Ask, "Order these numbers from greatest to least: 621, 526, 712." (Answer: 712, 621, 526).

Question 8. What is 256 + 123?

Correct Answer: b) 379

Explanation: To solve this, add the numbers column by column:
- Ones place: 6 + 3 = 9
- Tens place: 5 + 2 = 7
- Hundreds place: 2 + 1 = 3
  So, 256 + 123 = 379.
- **Extend Learning: Practice** adding smaller numbers first (e.g., 45 + 34) to build confidence. Use base-ten blocks or draw place value charts to visualize addition.
- **Misconception Alert:** Children might forget to carry over if the sum in a column is 10 or more. Remind them to regroup when necessary.

Question 9. What is 789 - 345?

Correct Answer: c) 444

Explanation: Subtract column by column:
- Ones place: 9 - 5 = 4
- Tens place: 8 - 4 = 4
- Hundreds place: 7 - 3 = 4
  So, 789 - 345 = 444.
- **Extend Learning: Practice** subtraction with smaller numbers (e.g., 56 - 23).Use a number line to show how subtraction works.
- **Misconception Alert:** Children might subtract the smaller digit from the larger one in each column, even if the smaller digit is on top. Remind them to always subtract the bottom number from the top number.

Question 10. What is 5 x 60?

Correct Answer: c) 300

Explanation: Multiplying by 60 is the same as multiplying by 6 and then adding a zero at the end.

- 5 x 6 = 30

- Add a zero: 30 → 300

So, 5 x 60 = 300.

- **Extend Learning: Practice** multiplying by multiples of 10 (e.g., 4 x 20, 7 x 30).Use arrays or groups of objects to show multiplication visually.
- **Misconception Alert:** Children might forget to add the zero when multiplying by multiples of 10. Remind them that multiplying by 10 adds a zero to the end of the number.

Question 11. Add 452 + 349 = ?

Correct Answer: b) 801

Explanation: Add column by column, regrouping as needed:
- Ones place: 2 + 9 = 11 (write 1, carry over 1)
- Tens place: 5 + 4 = 9, plus the carried-over 1 = 10 (write 0, carry over 1)
- Hundreds place: 4 + 3 = 7, plus the carried-over 1 = 8
  So, 452 + 349 = 801.
- **Extend Learning: Practice** regrouping with smaller numbers (e.g., 58 + 46).Use manipulatives like base-ten blocks to show regrouping.
- **Misconception Alert:** Children might forget to carry over when the sum in a column is 10 or more. Remind them to regroup carefully.

Question 12. Subtract 837 - 256 = ?

Correct Answer: b) 581
Explanation: Subtract column by column, regrouping as needed:
- Ones place: 7 - 6 = 1
- Tens place: 3 - 5 (borrow 1 from the hundreds place, making it 13 - 5 = 8)
- Hundreds place: 7 - 2 = 5 (after borrowing)
  So, 837 - 256 = 581.
- **Extend Learning: Practice** borrowing with smaller numbers (e.g., 72 - 48).Use a place value chart to show borrowing.
- **Misconception Alert:** Children might forget to borrow when the top digit is smaller than the bottom digit. Remind them to regroup carefully.

Question 13. What is 87 x 10?

Correct Answer: b) 870
Explanation: Multiplying by 10 adds a zero to the end of the number.87 x 10 = 870.

- **Extend Learning: Practice** multiplying other numbers by 10 (e.g., 45 x 10, 123 x 10). Use a place value chart to show how multiplying by 10 shifts digits one place to the left.
- **Misconception Alert:** Children might forget to add the zero. Remind them that multiplying by 10 always adds a zero to the end.

Question 14: What is 7 x 8?

Correct Answer: b) 56

Explanation: To solve 7 x 8, you can think of it as adding 7 eight times: 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 = 56. Alternatively, you can use the commutative property and think of it as 8 x 7, which is also 56.

- **Extend Learning:** Ask your child: "What is 8 x 7?" or "How can you use addition to solve 7 x 8?" Practice other multiplication facts, like 6 x 9 or 8 x 9.
- **Misconception Alert: Some** children might confuse 7 x 8 with 7 x 7 (49) or 8 x 8 (64). Reinforce that 7 x 8 is unique and equals 56.

Question 15: What is 45 ÷ 5?

Correct Answer: b) 9

Explanation: Division is about splitting a number into equal parts. Here, 45 ÷ 5 means splitting 45 into 5 equal groups. Each group will have 9 items.

- **Extend Learning:** Ask your child: "What is 45 ÷ 9?" or "If you have 45 candies and want to share them equally among 5 friends, how many does each friend get?" Practice related division facts, like 36 ÷ 4 or 50 ÷ 5.
- **Misconception Alert: Some** children might think division always makes numbers smaller but remind them that dividing by 1 keeps the number the same (e.g., 45 ÷ 1 = 45).

Question 16: A box contains 6 chocolates. How many chocolates are there in 9 boxes?

Correct Answer: c) 54

Explanation: This is a multiplication problem. If one box has 6 chocolates, then 9 boxes will have 9 x 6 = 54 chocolates.

- **Extend Learning:** Ask your child: "If each box has 7 chocolates, how many chocolates are in 8 boxes?" Practice repeated addition: 6 + 6 + 6 + … (9 times).
- **Misconception Alert: Some** children might add 6 + 9 instead of multiplying. Reinforce that multiplication is repeated addition.

Question 17: A box contains 6 chocolates. How many chocolates are there in 9 boxes?

Correct Answer: c) 54

Explanation: This is a multiplication problem. If one box has 6 chocolates, then 9 boxes will have 9 x 6 = 54 chocolates.

- **Extend Learning:** Ask your child: "If each box has 7 chocolates, how many chocolates are in 8 boxes?" Practice repeated addition: 6 + 6 + 6 + … (9 times).
- **Misconception Alert: Some** children might add 6 + 9 instead of multiplying. Reinforce that multiplication is repeated addition.

Question 18: Which of the following is the same as 8 x 4?

Correct Answer: c) 8 + 8 + 8 + 8

Explanation: Multiplication is repeated addition. 8 x 4 means adding 8 four times: 8 + 8 + 8 + 8 = 32.

- **Extend Learning:** Ask your child: "What is 5 x 3 as repeated addition?" Practice writing multiplication facts as addition sentences.
- **Misconception Alert: Some** children might confuse 8 x 4 with 4 x 4 or 8 + 4. Reinforce that multiplication is not the same as simple addition.

Question 19: A farmer has 5 rows of apple trees with 7 trees in each row. How many apple trees are there in total?

Correct Answer: c) 35

Explanation: This is a multiplication problem. 5 rows x 7 trees per row = 35 trees.

- **Extend Learning:** Ask your child: "If the farmer adds 2 more rows, how many trees will there be?" Practice real-world multiplication scenarios, like counting chairs in rows.
- **Misconception Alert: Some** children might add 5 + 7 instead of multiplying. Reinforce that multiplication is used for equal groups.

Question 20: If you have 24 stickers and you put them into groups of 3, how many groups will you have?

Correct Answer: c) 8

Explanation: This is a division problem. 24 ÷ 3 = 8, so there will be 8 groups.

- **Extend Learning:** Ask your child: "If you have 30 stickers and make groups of 5, how many groups will you have?" Practice grouping scenarios, like dividing 18 candies into groups of 6.
- **Misconception Alert: Some** children might confuse division with multiplication. Remind them that division is about splitting into equal groups.

Question 21: What is the next number in this pattern: 3, 6, 9, 12, ____?

Correct Answer: b) 15

Explanation: This is a counting pattern where each number increases by 3. The sequence is: 3, 6, 9, 12, 15.

- **Extend Learning:** Practice other patterns, like 4, 8, 12, __, 20.
- Discuss patterns in real life, like days of the week or months of the year.
- **Misconception Alert:**Some children might think the pattern increases by 2 or another number. Encourage them to calculate the difference between the numbers.

Question 22: What is the missing number: 5 x (3 x 2) = (5 x __) x 2

Correct Answer: c) 3

Explanation: This question tests the **associative property of multiplication**, which states that the way numbers are grouped in multiplication does not change the product. Here's how to solve it:

- First, solve the left side: 5 x (3 x 2) = 5 x 6 = 30. Now, look at the right side: (5 x __) x 2. To get 30, the missing number must be 3 because 5 x 3 = 15, and 15 x 2 = 30.
- **Extend Learning:** Ask your child to solve similar problems, like 4 x (2 x 5) = (4 x __) x 5. Discuss how grouping numbers differently doesn't change the result.
- **Misconception Alert: Some** children might think the missing number is 2 because they see the 2 at the end. Remind them to focus on the grouping and solve step by step.

Question 23: Which equation shows the relationship between multiplication and division?

Correct Answer: c) 6x4=24 and 24/4=6

Explanation: This question tests the **inverse relationship** between multiplication and division. Multiplication and division are opposite operations. **For example:** 6 x 4 = 24 (multiplication). 24 ÷ 4 = 6 (division).

- **Extend Learning:** Practice with other numbers, like 8 x 3 = 24 and 24 ÷ 3 = 8. Use objects (e.g., blocks or counters) to show how multiplication groups items and division splits them apart.
- **Misconception Alert:** Some children might think addition or subtraction shows this relationship. Emphasize that multiplication and division are directly related as inverse operations.

Question 24. What fraction of the circle is shaded?

Correct Answer: a) 1/4

Explanation: The circle is divided into four equal parts, and one part is shaded. This means the shaded part represents 1 out of 4 equal parts, or 1/4.

- **Extend Learning:** Ask your child to draw a circle, divide it into 4 equal parts, and shade 1 part. Then ask, "What fraction is shaded? "Try dividing the circle into 8 parts and ask, "What fraction is shaded if 2 parts are shaded?"

- **Misconception Alert: Some** children might think the answer is 1/2 if they miscount the parts. Remind them to count all the equal parts carefully.

Question 25. If a pizza is cut into 8 slices and you eat 3 slices, what fraction of the pizza did you eat?

Correct Answer: c) 3/8

Explanation: The pizza is divided into 8 equal slices, and you ate 3 slices. So, you ate 3 out of 8 slices, or 3/8.

- **Extend Learning:** Ask, "What fraction of the pizza is left if you ate 3 out of 8 slices?"Use other examples, like a chocolate bar divided into 10 pieces.
- **Misconception Alert:** Children might think the answer is 5/8 because they subtract 3 from 8. Remind them the question is about the fraction eaten, not leftover.

Question 26. Which of the following fractions is the smallest? 1/3, 1/4, 1/2

Correct Answer: c) 1/4

Explanation: When the numerators are the same, the fraction with the largest

denominator is the smallest. So, 1/4 is smaller than 1/3 and 1/2.

- **Extend Learning:** Compare fractions with the same numerator, like 1/5, 1/6, and 1/10.Use visual aids like fraction strips or circles to compare sizes.

- **Misconception Alert:** Children might think 1/2 is the smallest because 2 is the smallest denominator. Explain that larger denominators mean smaller parts.

Question 27: Which of these fractions is equal to 2/4?

Correct Answer: b) ½
Explanation: To find an equivalent fraction, simplify 2/4 by dividing both the numerator (top number) and denominator (bottom number) by their greatest common factor, which is 2. 2 ÷ 2 = 1, and 4 ÷ 2 = 2, so 2/4 simplifies to 1/2.

- **Extend Learning:** Ask your child to simplify other fractions like 4/8 or 6/12 to reinforce the concept.
- **Misconception Alert:** Some children might think 2/4 is equal to 1/3 or 2/3 because they don't simplify correctly. Remind them to always divide both numbers by the same value.

Question 28: Which fraction is equivalent to 4/8?

Correct Answer: b) 1/2
Explanation: Simplify 4/8 by dividing both numbers by their greatest common factor, which is 4.4 ÷ 4 = 1, and 8 ÷ 4 = 2, so 4/8 simplifies to 1/2.

- **Extend Learning:** Have your child simplify other fractions like 6/12 or 8/16.
- **Misconception Alert:** Some children might think 4/8 is equivalent to 2/3 because both numbers are even, but 2/3 is not equal to 1/2.

Question 29: Which of these fractions are equivalent: 2/3, 4/6, 1/2?

Correct Answer: c) 2/3 and 4/6
Explanation: Simplify 4/6 by dividing both numbers by 2: 4 ÷ 2 = 2, and 6 ÷ 2 = 3, so 4/6 simplifies to 2/3.1/2 is not equivalent to 2/3 or 4/6.

- **Extend Learning:** Ask your child to find another fraction equivalent to 2/3, such as 6/9 or 8/12.
- **Misconception Alert:** Some children might think 1/2 is equivalent because it's a common fraction, but it's smaller than 2/3.

Question30: On which day were the most cupcakes sold?

Answer: d) Friday

Explanation: To solve this, look at the graph or table showing cupcake sales for each day. Find the day with the tallest bar or the largest number. That day is when the most cupcakes were sold.

- **Extend Learning:** Ask your child, "Which day had the fewest cupcakes sold?" or "How many cupcakes were sold on Monday?" This helps them practice comparing numbers and interpreting graphs.
- **Misconception Alert:** Some children might confuse the tallest bar with the shortest bar. Remind them to look carefully at the numbers or heights.

Question 31: How many books did Drew and Alex read together?

Answer: (Add Drew's and Alex's books: 6 + 4 = 10.)

Explanation: To find the total, add the number of books Drew read (6) to the number Alex read (4). 6 + 4 = 10, so the answer is **c) 10**.

- **Extend Learning:** Ask, "If Tyson read 5 books, how many more books did Drew read than Tyson?" or "What is the total number of books read by all four students?" This reinforces addition and subtraction.
- **Misconception Alert:** Some children might subtract instead of add. Remind them that "together" means combining the numbers.

Question 32: How many more students have 1 pet than 3 pets?

Answer: b)8

Explanation: To find the difference, subtract 3 (bananas) from 11

- **Extend Learning:** Ask, "How many students have 1 or 3 pets in total?" or "If 2 more students get 1 pet, how many will have 1 pet?" This reinforces addition and subtraction.
- **Misconception Alert:** Some children might add instead of subtract. Remind them that "how many more" means finding the difference.

Question 33. A movie starts at 2:15 pm and ends at 3:30 pm. How long is the movie?

Correct Answer: b) 1 hour 15 minutes
Explanation: From 2:15 pm to 3:15 pm is 1 hour. From 3:15 pm to 3:30 pm is 15 minutes. Adding these together gives 1 hour and 15 minutes.

- **Extend Learning:** Ask: "If a movie starts at 4:00 pm and ends at 5:45 pm, how long is it?" (Answer: 1 hour 45 minutes) Ask: "If a movie is 2 hours long and starts at 1:30 pm, when does it end?" (Answer: 3:30 pm)

- **Misconception Alert:** Children might subtract the minutes incorrectly (e.g., 30 - 15 = 15, but forget to account for the hour). Use a number line or clock to visualize the time.

Question 34. What is 5kg in grams?

Correct Answer: c) 5000 grams
Explanation: 1 kilogram = 1000 grams, so 5 kilograms = 5 × 1000 = 5000 grams.

- **Extend Learning:** Ask: "What is 3.5 kg in grams?" (Answer: 3500 grams)Ask: "What is 2000 grams in kilograms?" (Answer: 2 kg)

- **Misconception Alert:** Children might confuse grams and kilograms. Emphasize that "kilo-" means 1000, so kilograms are larger than grams.

Question 35. If a book weighs 250 grams and another book weighs 750 grams, what is the total weight?

Correct Answer: c) 1000 grams
Explanation: Add the two weights: 250 grams + 750 grams = 1000 grams (or 1 kilogram).

- **Extend Learning:** Ask: "If a bag weighs 1.2 kg and another weighs 800 grams, what is the total weight?" (Answer: 2 kg or 2000 grams)Ask: "What is 1000 grams in kilograms?" (Answer: 1 kg)

- **Misconception Alert:** Children might forget to add the weights correctly or confuse grams and kilograms. Reinforce that 1000 grams = 1 kilogram.

Question 36. A shape has 4 sides and 4 equal angles. What is it?

Correct Answer: c) Square

Explanation: A square has 4 equal sides and 4 equal angles (each angle is 90 degrees).A rectangle also has 4 equal angles, but its sides are not necessarily equal (only opposite sides are equal).A triangle has 3 sides, and a pentagon has 5 sides, so they are not correct.

- **Extend Learning:** *What is the difference between a square and a rectangle?*

- **Misconception Alert:** Some children might think all 4-sided shapes with equal angles are squares, but rectangles also have equal angles.

Question 37. Which shape has three sides?

Correct Answer: b) Triangle
Explanation: A triangle is defined as a shape with 3 sides and 3 angles. Squares, rectangles, and pentagons have more than 3 sides.

- **Extend Learning:** *Can you draw a triangle with all sides equal? What is it called?* (Answer: Equilateral triangle)

- **Misconception Alert:** Some children might confuse triangles with other shapes if they only focus on angles.

Question 38. What do all quadrilaterals have in common?

Correct Answer: c) 4 sides

Explanation: All quadrilaterals have 4 sides, but their angles and side lengths can vary. Not all quadrilaterals have equal angles or equal sides (e.g., rectangles vs. rhombuses).

- **Extend Learning:** Can a quadrilateral have 3 sides? Why or why not?

- **Misconception Alert:** Some children might think all quadrilaterals have equal sides or angles.

Question 39: What is the area of a rectangle with sides of 5 cm and 7 cm?
Correct Answer: b) 35 square cm
Explanation: The area of a rectangle is calculated by multiplying its length by its width. Here, the sides are 5 cm and 7 cm, so the area is $5×7=35$$5×7=35$ square cm.

- **Misconception Alert:** Some children might add the sides instead of multiplying (e.g., *5+7=12*$5+7=12$), which is incorrect for area.
- **Extend Learning:** Ask your child to calculate the area of a rectangle with sides 6 cm and 8 cm. Also, ask them to draw the rectangle and count the unit squares to verify the answer.

Question 40: What is the perimeter of a square with a side length of 4 cm?
Correct Answer: a) 16 cm
Explanation:The perimeter of a square is calculated by adding all four sides or multiplying one side by 4. Here, $4×4=16$ cm.

- **Misconception Alert:** Some children might multiply only two sides (e.g., 4×2=8) or confuse perimeter with area (e.g., using square units).
- **Extend Learning:** Ask your child to find the perimeter of a square with a side length of 6 cm. Then, compare it to the perimeter of a rectangle with sides 6 cm and 4 cm.

Question 41: What is the area of this shape?
Correct Answer: c) 20 square units
Explanation: The area of a shape is the total number of unit squares it covers. If the shape covers 20 unit squares, its area is 20 square units. Area=5×4=20 square units

- **Misconception Alert:** Some children might think the number of squares is unrelated to area or confuse it with perimeter.
- **Extend Learning:** Give your child a grid paper and ask them to draw a shape that covers 15 unit squares. Then, ask them to calculate the area.

Question 42: What is the perimeter of a rectangle with a length of 8cm and a width of 2cm?
Correct Answer: a) 20cm
Explanation: The perimeter is calculated by adding all sides: 8+2+8+2=20 cm. Alternatively, use the formula 2×(length+width)2×(length+width).

- **Misconception Alert:** Some children might multiply the sides (e.g., 8×2=16) or confuse perimeter with area.
- **Extend Learning:** Ask your child to calculate the perimeter of a rectangle with sides 10cm and 3cm.

Question 43: If a square has an area of 25 square cm, what is the length of each side?
Correct Answer: c) 5 cm
Explanation: The area of a square is calculated by squaring the length of one side. To find the side length, take the square root of the area: 25 =5 cm.

- **Misconception Alert:** Some children might divide the area by 2 (e.g., 5÷2=12.5) instead of finding the square root.
- **Extend Learning:** Ask your child to find the side length of a square with an area of 36 square cm.