



1. Count by 2s starting at 6.

What are the next 5 numbers?

2. Count backward by 5s from 75.

What are the next 4 numbers?

3. What number is 4 jumps of 10 more than 23?

4. A skip-counting pattern is: 15, _____, 25, 30. Fill in the blank.

5. Count backwards by 10s starting at 47.

What are the next 4 numbers?



6. Start at 13. Count by 2s. Stop when you pass 30. What patterns do you notice?

7. Skip-count backward from 92 by 10s. What patterns do you notice?

8. Create your own skip-counting pattern starting at 7. What rule did you use?



9. A counting pattern starts at 2 and ends at 32. What numbers could you be counting by? How do you know?

10. Can you find a number that you say when you skip-count by 2s and by 5s? Any others? What pattern do you notice?

11. Create a number pattern using natural materials. Explain the rule.



1. Circle the number that is closest to 50:

42, 38, 55, 64

2. Order these numbers from least to greatest:

67, 25, 89, 54

3. Draw an open number line with the given endpoints.

Include useful benchmarks.

0 to 10

0 to 20

0 to 100



4. Which number is halfway between 50 and 100?

5. Which number is larger? Explain how place value helps to answer this question.

63 or 36

6. Which number is closer to 100?

87 or 78

7. Is 38 closer to 25 or 50?



8. On a number line, what number comes halfway between 10 and 50?



9. Which is closer to 100? How do you know?

91 or 87

10. Find two numbers that add close to 100 but not more than 100. Can you find more examples?



11. Which is a better estimate for a handful of jellybeans? Why?

20 or 80

12. Is 61 closer to 0 or to 100? How do you know?

13. You are thinking of a number greater than 60 but less than 80. What could it be?
What clues can you give a friend to guess it?



14. Draw an open number line from 0–100. Pick 2 numbers and explain or show how far apart they are. Show any benchmark numbers that helped you to do this.



15. A friend says that 62 is greater than 71 because 2 is bigger than 1. How would you explain their mistake?

16. Choose two numbers. Can you prove that one is greater without counting by 1s?



17. How are 26 and 62 the same? How are they different?

18. Choose one of the options below...

Option 1: Use a number line to show whether 13 is closer to 0 or 20.

Option 2: Use a number line to show whether 43 is closer to 0 or 100.





1. What is the value of the 7 in 74?

2. Write 62 as tens and ones.

3. What number has 5 tens and 3 ones?

4. Circle the number that has 4 tens and 7 ones:

74, 47, 84

5. Which number has a digit worth 80?

89 or 98



6. On a hundreds chart, what number is directly below 26?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

7. How many tens are in 95? What number is that?

8. I show you base-ten blocks with 3 tens and 6 ones. What number is it?

9. $67 = 5 \text{ tens} + \underline{\hspace{2cm}} \text{ ones}$

10. $82 = \underline{\hspace{2cm}} \text{ tens} + 22 \text{ ones}$

11. $34 = 2 \text{ tens} + \underline{\hspace{2cm}} \text{ ones}$



12. Show 53 in three different ways using tens and ones.

13. How we say a number often tells us about the place value of its digits.
For example, we say “fifty three” for 53, showing us that 53 is fifty and three.
Give another example of a number where this works.
Give an example where this does not work.



14. If I say “seven tens and something,” what numbers could I mean?

15. Show different ways to represent 64 using pictures or materials.



16. Can a number have 3 tens and still be more than 40? Explain.

17. Show a number less than 50 that is made with more ones than tens.



1. List the odd numbers in order starting at 1 and ending at 19.

2. Is 39 an even or odd number? How do you know?

3. Circle all the even numbers:

18, 35, 42, 67, 50

4. What is the next odd number after 71?



5. Is the sum of two odd numbers always odd? Try $5 + 7$.

6. Which number is not like the others? (Hint: even or odd)

26, 44, 53, 88

7. I have a number between 40 and 50. It is even. The digit in the tens place is the same as in the ones place. What is the number?



8. What happens when you add an even number and an odd number?
Try some and explain.

9. What happens when you add an even and even? Odd and odd?

10. Think of 3 odd numbers between 30 and 50. What do they have in common?



11. Is 0 even or odd? Why do you think that?

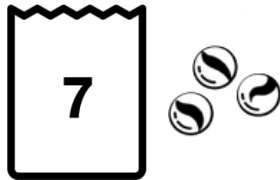
12. Can a number be both even and odd? Why or why not?

13. Which numbers between 1 and 20 are odd and make you think of something in nature?

14. I'm thinking of a number. It has 6 tens. The ones digit is odd. What could it be?



1. Seven marbles are in the bag. Three marbles are next to the bag. How many marbles are there all together?



2. Use near doubles to add. Show your thinking.

a) $6 + 7 =$	b) $9 + 8 =$
c) $4 + 6 =$	d) $7 + 8 =$
e) $5 + 6 =$	f) $3 + 5 =$



3. Use 10 to add. Show your thinking.

a) $9 + 7 =$	b) $9 + 8 =$
c) $8 + 6 =$	d) $7 + 8 =$
e) $5 + 9 =$	f) $8 + 5 =$



4. Use 10 to subtract. Show your thinking.

a) $12 - 5 =$	b) $11 - 8 =$
c) $14 - 6 =$	d) $15 - 8 =$
e) $17 - 9 =$	f) $12 - 3 =$



5. Subtract by breaking apart numbers. Show your thinking

a) $19 - 5 =$	b) $18 - 13 =$
c) $14 - 6 =$	d) $15 - 8 =$
e) $17 - 9 =$	f) $12 - 3 =$



6. Write four fact family equations using these numbers: 3, 4, 7

	+		=	
	+		=	
	-		=	
	-		=	



7. Show how you could use addition to solve $15 - 12$.

8. Use a number line to show that $14 - 8$ is like saying “How far away from 8 is 14?”





9. A dog, a duck, and a spider walk into a room. How many legs are there all together?



10. Find three numbers that form a fact family: 2, 3, 5, 8. Show how you know.

11. Show how you know $3 + 4$ is the same as $4 + 3$

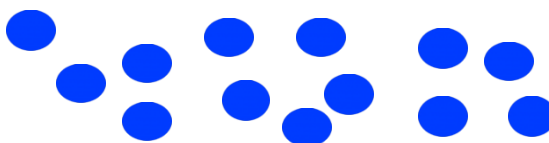
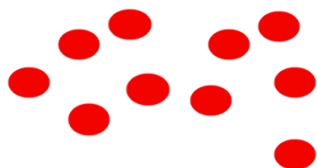
12. Show or explain how you could use a making 10 strategy to add $8 + 7$?

13. How can you show that 18 is more than 13?



14. Without finding the answer, why is $8 + 8$ more than $5 + 9$?

15. Organize the following circles to help you see how many there are in total.





16. What are some different ways to make the number 12 using addition?
Show different combinations.

17. What is your favourite way to find the sum of 6 and 9? Show your thinking.

18. Which of the following statements is incorrect? Explain your thinking.

- a. 12 take away 7 leaves 5.
- b. 12 is 5 more than 7.
- c. $12 - 7 = 5$ and $5 + 12 = 7$ are part of a fact family.
- d. $7 + 5 = 12$ is the same as $5 + 7 = 12$



19. Show what you think is the best way to add $4 + 8 + 6$.

20. Why does it make sense that $8 + 5 = 10 + 3$? Why is knowing that useful?

21. How do you know that $10 - 3$ and $11 - 4$ HAVE to have the same answer even without getting the answer?



1. Draw a diagram that shows why $54 - 17$ is the same as $54 - 10 - 10 + 3$

2. How can base ten blocks be used to model $37 - 25$?



3. Use compensation strategy to add. Show your thinking.

a) $19 + 32$	b) $39 + 28$
c) $59 + 15$	d) $17 + 49$
e) $16 + 39$	f) $34 + 29$

4. If you start the year with 34 pencils and then you lose 6 of them, how many are you left with?



5. Use a hundreds chart to solve the following questions:

- a. $75 - 23$
- b. $84 - 12$
- c. $55 - 18$
- d. $63 - 31$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



6. What is the difference between 87 and 13? Solve using a hundreds chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



7. What is $72 - 38$? Use an open number line to show your thinking .



8. I need 100 beads to make a special bracelet for my friend. I only have 25 beads. Using a number line, can you find out how many more beads I need?





9. The answer is 25. What is the question?

10. How does knowing $25 + 25$ help you to find $26 + 26$?



11. You add a number to itself. The answer is more than 20. What might the number be? Why?

12. Write a story problem that could be figured out using 40 counters and the concept of addition.



13. Show at least 3 different ways you can break down the number 50 using addition.

14. How can you show which statement is more correct?

- a. 66 is closer to 70
- b. 66 is closer to 60



15. A jar can hold 100 jellybeans. In a pile of jellybeans, there are 31 red, 26 green, and 47 yellows. Will they all fit in the jar? How do you know?

16. Show two or more ways to calculate $37 + 49$.