Merit Tutoring

Year 2 Mathematics

Jump Strategy - Worksheet 17

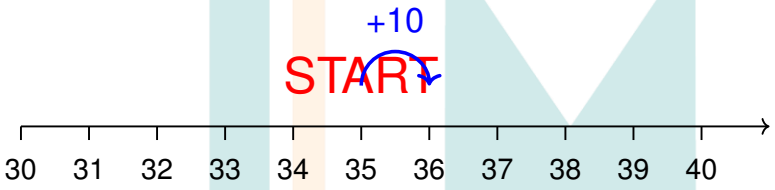
Addition Jumps

Name: _____ **Date:** _____

Section 1: Jumping by 10s (Fluency)

Use the number line to jump forward by 10. Follow the arrows!

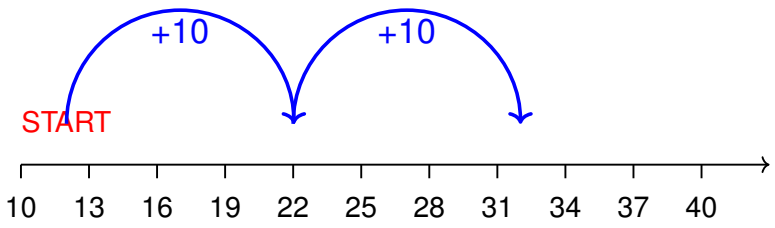
Question 1: Start at 35. Jump forward 10. Where do you land?



Answer: _____

Question 2: Start at 12. Jump forward 10, then 10 again.

$$12 + 20 = \_\_\_\_\_$$



Answer: _____

Question 3: Start at 44. Jump forward 10.

$$44 + 10 = \_\_\_\_\_$$

Question 4: Start at 27. Jump forward 30 (three jumps of 10).

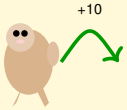
$$27 + 30 = \_\_\_\_\_$$

Question 5: Start at 50. Jump forward 20.

$$50 + 20 = \_\_\_\_\_$$

Question 6: Start at 63. Jump forward 10.

$$63 + 10 = \_\_\_\_\_$$



Jump Genius!

What is a kangaroo's favorite season? SPRING - because they love to BOUNCE!

Section 2: Jump Strategy - Tens & Ones (Reasoning)

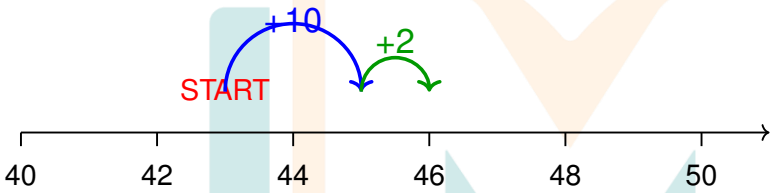
Split the number into tens and ones. Jump the tens first, then the ones!

Question 7: Solve

$$43 + 12$$

using jumps.

Start at 43, jump 10 to _____, then jump 2 to _____.



Answer:

$$43 + 12 = \_\_\_\_\_$$

Question 8: Solve

$$25 + 21$$

using jumps.

Start at 25, jump 20 to _____, then jump 1 to _____.

Answer:

$$25 + 21 = \_\_\_\_\_$$

Question 9: Solve

$$32 + 14$$

using the jump strategy.

Answer:

$$32 + 14 = \_\_\_\_\_$$

Question 10: Use jumps to solve

$$51 + 23$$

.

First jump:

$$51 + 20 = \_\_\_\_\_$$

Second jump: Add 3 more = _____

Question 11: Solve

$$36 + 32$$

using the jump strategy.

Answer:

$$36 + 32 = \_\_\_\_\_$$

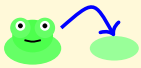
Question 12: Use jumps to solve

$$45 + 24$$

.

Answer:

$$45 + 24 = \_\_\_\_\_$$



Hopping Hero!

Why did the frog take the bus? Because his car got TOAD away!

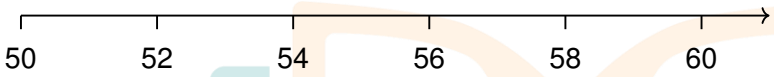
Section 3: Draw the Jumps (Challenge)

Draw your own jumps on the empty number lines!

Question 13: Draw jumps on the number line to show

$$54 + 13$$

.



Answer:

$54 + 13 =$ _____

Question 14: Use the jump strategy to find the sum of 60 and 25.

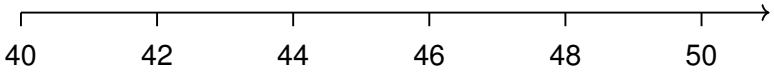
Answer:

$60 + 25 =$ _____

Question 15: Draw jumps to show

$$41 + 18$$

.



Answer:

$$41 + 18 = \_\_\_\_\_$$

Question 16: Solve

$$38 + 27$$

by jumping in tens and ones.

Answer:

$$38 + 27 = \_\_\_\_\_$$

Question 17: Use the jump strategy to solve

$$52 + 35$$

.

Answer:

$$52 + 35 = \_\_\_\_\_$$

Question 18: What is

$$47 + 29$$

using jumps?

Answer:

$$47 + 29 = \_\_\_\_\_$$

Jump Master!

Why did the rabbit go to the doctor? He felt a little JUMPY!

Answer Key

Worksheet 17: Addition Jumps

Section 1: Jumping by 10s

1. 45 (35 + 10 = 45)
2. 32 (12 + 10 = 22, then 22 + 10 = 32)
3. 54 (44 + 10 = 54)
4. 57 (27 + 10 = 37, 37 + 10 = 47, 47 + 10 = 57)
5. 70 (50 + 10 = 60, 60 + 10 = 70)
6. 73 (63 + 10 = 73)

Section 2: Jump Strategy - Tens & Ones

7. 43 + 10 = 53, then 53 + 2 = 55. Answer:

$$43 + 12 = 55$$

8. 25 + 20 = 45, then 45 + 1 = 46. Answer:

$$25 + 21 = 46$$

9.

$$32 + 14 = 46$$

(32 + 10 = 42, then 42 + 4 = 46)

10.

$$51 + 20 = 71$$

, then

$$71 + 3 = 74$$

. Answer:

$$51 + 23 = 74$$

11.

$$36 + 32 = 68$$

(36 + 30 = 66, then 66 + 2 = 68)

12.

$$45 + 24 = 69$$

(45 + 20 = 65, then 65 + 4 = 69)

Section 3: Draw the Jumps

13.

$$54 + 13 = 67$$

(54 + 10 = 64, then 64 + 3 = 67)

14.

$$60 + 25 = 85$$

(60 + 20 = 80, then 80 + 5 = 85)

15.

$$41 + 18 = 59$$

(41 + 10 = 51, then 51 + 8 = 59)

16.

$$38 + 27 = 65$$

(38 + 20 = 58, then 58 + 7 = 65)

17.

$$52 + 35 = 87$$

(52 + 30 = 82, then 82 + 5 = 87)

18.

$$47 + 29 = 76$$

(47 + 20 = 67, then 67 + 9 = 76)

Year 2 Mathematics

Jump Strategy - Worksheet 18

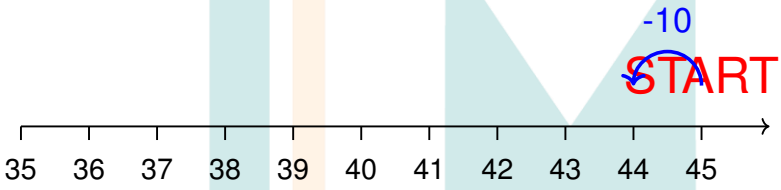
Subtraction Jumps

Name: _____ **Date:** _____

Section 1: Jumping Back by 10s (Fluency)

Use the number line to jump backwards by 10. Follow the arrows!

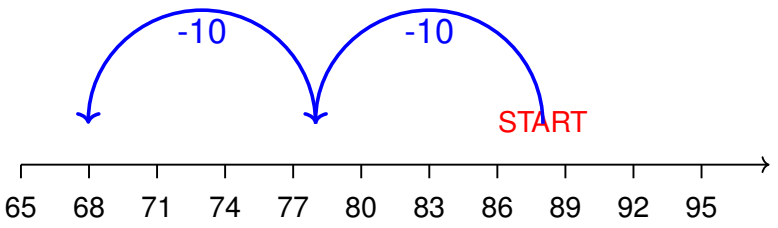
Question 1: Start at 50. Jump back 10. Where do you land?



Answer: _____

Question 2: Start at 88. Jump back 20 (two jumps of 10).

$$88 - 20 = \_\_\_\_\_$$



Answer: _____

Question 3: Start at 76. Jump back 10.

$$76 - 10 = \_\_\_\_\_$$

Question 4: Start at 93. Jump back 30 (three jumps of 10).

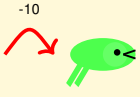
$$93 - 30 = \_\_\_\_\_$$

Question 5: Start at 85. Jump back 20.

$$85 - 20 = \_\_\_\_\_$$

Question 6: Start at 58. Jump back 10.

$$58 - 10 = \_\_\_\_\_$$



Jump Back Champion!

Why did the grasshopper love subtraction? Because it could HOP BACKWARDS perfectly!

Section 2: Jump Back Strategy (Reasoning)

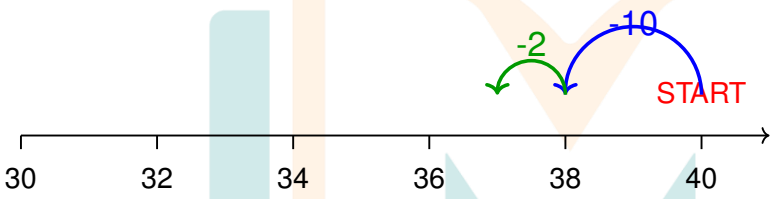
Split the number into tens and ones. Jump back the tens first, then the ones!

Question 7: Solve

$$45 - 12$$

using jumps.

Start at 45, jump back 10 to _____, then jump back 2 to _____.



Answer:

$$45 - 12 = \_\_\_\_\_$$

Question 8: Solve

$$67 - 23$$

using jumps.

Start at 67, jump back 20 to _____, then jump back 3 to _____.

Answer:

$$67 - 23 = \_\_\_\_\_$$

Question 9: Solve

$$54 - 21$$

using the jump strategy.

Answer:

$$54 - 21 = \_\_\_\_\_$$

Question 10: Use jumps to solve

$$78 - 34$$

.

First jump:

$$78 - 30 = \_\_\_\_\_$$

Second jump: Subtract 4 more = _____

Question 11: Solve

$$86 - 42$$

using the jump strategy.

Answer:

$$86 - 42 = \_\_\_\_\_$$

Question 12: Use jumps to solve

$$95 - 53$$

.

Answer:

$$95 - 53 = \_\_\_\_\_$$

Backward Hopper!

What did the cricket say when it jumped backward? I'm going in RE-VERSE!

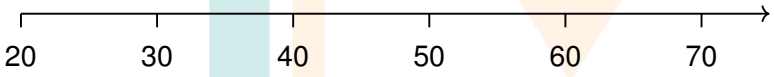
Section 3: Word Problems (Challenge)

Read carefully and use the jump strategy to solve!

Question 13: Ben is at step 34. He hops down 12 steps. What step is he on now?

Answer: Ben is on step _____.

Question 14: Use a number line to find the difference between 55 and 22.



Answer:

$$55 - 22 = \_\_\_\_\_$$

Question 15: Sarah has 48 stickers. She gives away 25 stickers. How many stickers does she have left?

Answer: Sarah has _____ stickers left.

Question 16: A book has 72 pages. Jack has read 31 pages. How many pages does he have left to read?

Answer: Jack has _____ pages left to read.

Question 17: There are 63 students in Year 2. If 41 students go on an excursion, how many students stay at school?

Answer: _____ students stay at school.

Question 18: Use the jump strategy to solve:

$$80 - 36 = \_\_\_\_\_$$

Question 19: Maya collected 57 shells. She gave 24 shells to her friend. How many shells does Maya have now?

Answer: Maya has _____ shells now.

Question 20: Draw jumps on a number line to solve:

$$90 - 45 = \_\_\_\_\_$$

Problem Solving Star!

Why was the number line always happy? Because it could JUMP to any solution!

Answer Key

Worksheet 18: Subtraction Jumps

Section 1: Jumping Back by 10s

1. 40 (50 - 10 = 40)
2. 68 (88 - 10 = 78, then 78 - 10 = 68)
3. 66 (76 - 10 = 66)
4. 63 (93 - 10 = 83, 83 - 10 = 73, 73 - 10 = 63)
5. 65 (85 - 10 = 75, 75 - 10 = 65)
6. 48 (58 - 10 = 48)

Section 2: Jump Back Strategy

7. 45 - 10 = 35, then 35 - 2 = 33. Answer:

$$45 - 12 = 33$$

8. 67 - 20 = 47, then 47 - 3 = 44. Answer:

$$67 - 23 = 44$$

9.

$$54 - 21 = 33$$

(54 - 20 = 34, then 34 - 1 = 33)

10.

$$78 - 30 = 48$$

, then

$$48 - 4 = 44$$

. Answer:

$$78 - 34 = 44$$

11.

$$86 - 42 = 44$$

(86 - 40 = 46, then 46 - 2 = 44)

12.

$$95 - 53 = 42$$

(95 - 50 = 45, then 45 - 3 = 42)

Section 3: Word Problems

13. Ben is on step 22 (34 - 12 = 22; 34 - 10 = 24, 24 - 2 = 22)

14.

$$55 - 22 = 33$$

(55 - 20 = 35, then 35 - 2 = 33)

15. Sarah has 23 stickers left (48 - 25 = 23)

16. Jack has 41 pages left to read (72 - 31 = 41)

17. 22 students stay at school (63 - 41 = 22)

18.

$$80 - 36 = 44$$

(80 - 30 = 50, then 50 - 6 = 44)

19. Maya has 33 shells now (57 - 24 = 33)

20.

$$90 - 45 = 45$$

(90 - 40 = 50, then 50 - 5 = 45)

Fantastic Jumping, Maths Champions!

You've mastered the jump strategy!