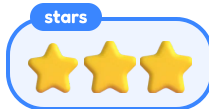




Total Check

Join the two sets and count all the members. Is the total right? Tick a box.

1



Total: 5
.....

☐ Right total ☐ Wrong total

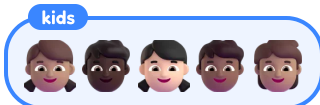
2



Total: 4
.....

☐ Right total ☐ Wrong total

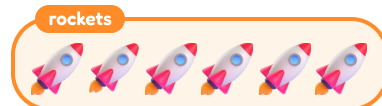
3



Total: 6
.....

☐ Right total ☐ Wrong total

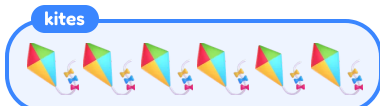
4



Total: 7
.....

☐ Right total ☐ Wrong total

5



Total: 9
.....

☐ Right total ☐ Wrong total

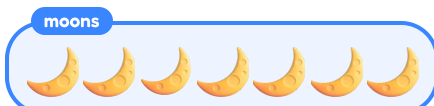
6



Total: 8
.....

☐ Right total ☐ Wrong total

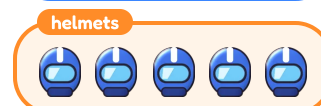
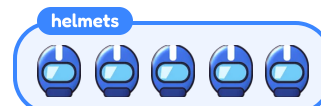
7



Total: 9
.....

☐ Right total ☐ Wrong total

8



Total: 5
.....

☐ Right total ☐ Wrong total



Fill the Sky Bus

Join the two groups. Draw all the members in the green ring. Then write the addition sentence.



- 1 3 kids get on at Cloud Corner. 2 more get on at Rainbow Road. Build the set of all the kids on the bus.



kids on the bus

___ + ___ = ___ kids

- 2 Join the balloons. Build the set of all the balloons.



balloons in all

___ + ___ = ___ balloons

- 3 How many stars are there altogether? Build the total set.



stars altogether

___ + ___ = ___ stars

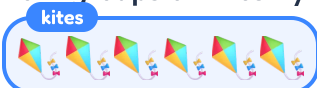
- 4 Join the rockets. Build the set of all the rockets.



rockets in all

___ + ___ = ___ rockets

- 5 Both groups of kites fly together. Build the total set of kites.



total kites

___ + ___ = ___ kites

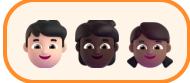
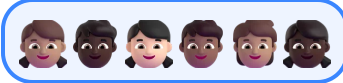
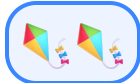
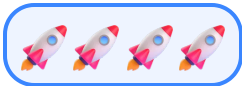


3

Picture Sentences

Draw a line from each picture to the addition sentence that matches it. Plus means join. Equals means the same as.

Pictures



Addition sentences

$$5 + 3 = 8$$

$$2 + 5 = 7$$

$$6 + 3 = 9$$

$$1 + 4 = 5$$

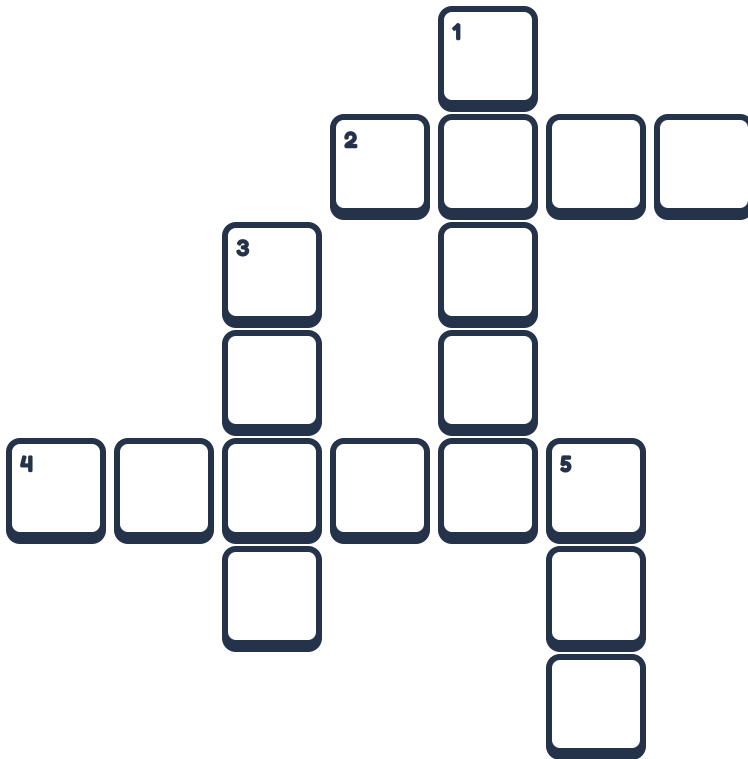
$$4 + 2 = 6$$

$$3 + 1 = 4$$



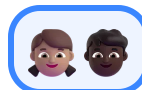
Sky Bus Crossword

Read each clue and look at its picture. Write one letter in each box.



1 down · 5 letters

The answer when we join sets and count all the members.



2 across · 4 letters

Put the groups together.



3 down · 4 letters

This sign means join.



4 across · 6 letters

This sign means the same as.



5 down · 3 letters

4 balloons join 2 balloons. How many in all?



Word bank: EQUALS · JOIN · PLUS · SIX · TOTAL



5

Total Hunt

Count each set and write its number word in the boxes. Then find the word in the grid and color it in. Words go across → or down ↓ only.

M	Z	J	Z	H	K	B	B
Q	W	D	G	K	K	N	C
W	W	X	C	P	Z	I	F
Q	B	G	D	F	B	N	X
H	P	V	Z	G	H	E	C
Z	E	I	G	H	T	K	D
J	F	I	V	E	J	D	F
Z	V	J	T	E	N	P	G



How many stars are there in all?





How many balloons are there altogether?



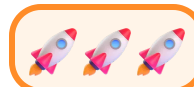


What is the total number of kites?





How many rockets are there in all?



Stuck? Here are the words, upside down: five · eight · nine · ten

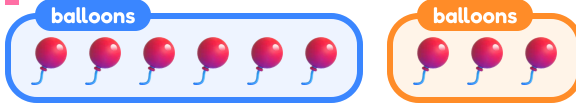


Is Gusty Right?

Decide if each claim is right. Then explain why. Sky pilots always explain!



"I have 6 balloons and 3 balloons. The total is 6, because 6 is the biggest group!"



Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"4 stars plus 3 stars equals 8 stars!"



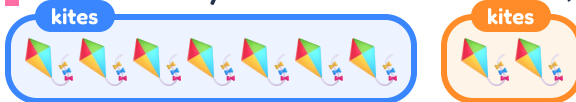
Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"I put 7 in my head and counted on: 8, 9. So $7 + 2 = 9$!"



Step 1. Is Jaden right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



Sky Race

A game for 2 to 4 players. You need a die (or number cards 1 to 6) and a coin or button for each player.



20 finish	19 blown down to 12	18 question card	17	16
11 zoom up to 17	12	13	14 question card	15 blown down to 8
10 question card	9	8	7 zoom up to 13	6
1 start	2	3 zoom up to 9	4	5 question card

How to play: Roll and move. Land on 🌈, ☁️ or ★? Another player reads you a question card.
 🌈 Answer right to zoom up. ☁️ Answer right to fly over the storm, or get blown down. ★ Answer right to roll again. First to the 🏆 wins!



7

Question Cards

Cut out the cards and put them face down in a pile. The answer is printed upside down at the bottom.

★ Question 1

How many rockets are there altogether?

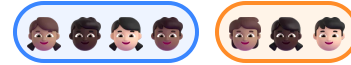


4 5 6
.....

Answer: 5

★ Question 2

Which addition sentence matches the picture?



$4 + 3 = 7$ $4 + 4 = 8$ $3 + 3 = 6$

Answer: $4 + 3 = 7$

★ Question 3

What does the plus sign mean?

— take away + join = the same as

Answer: join

★ Question 4

What does the equals sign mean?

+ join ↑ more = the same as

Answer: the same as

★ Question 5

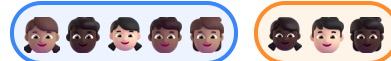
Which word tells us to join?

👉 altogether 🧺 left over ↔ spread out

Answer: altogether

★ Question 6

Five kids are on the bus. Three more get on. How many kids are on the bus in all?



7 8 9
.....

Answer: 8

★ Question 7

Put 6 in your head and count on 2 more. What number do you stop on?



7 8 9
.....

Answer: 8

★ Question 8

You want to count on. Which number do you put in your head first?



2 7
.....

Answer: 7

★ Question 9

Gusty says $6 + 3 = 6$, because 6 is the biggest group. What is the real total?

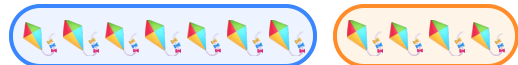


3 6 9
.....

Answer: 9

★ Question 10

How many kites are there in all?



10 11 12
.....

Answer: 11



Join Stamp Earned!



earned the **Join stamp** on the Sky Squad Pilot License

When we join sets, we put the groups together and count all the members. The answer is the total. We can write it as an addition sentence, and count on from the bigger number.

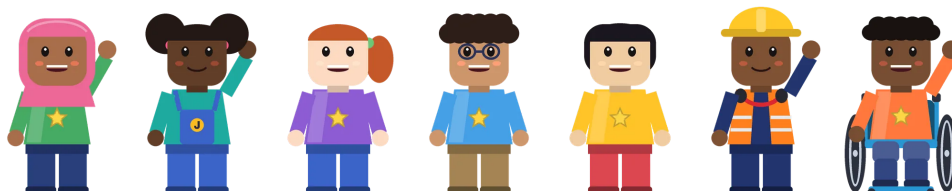
Our chant: Join the groups and count them all! That's the total, big or small!

How does this math feel now? Color one.

☐ I need more practice ☐ I am getting there ☐ I can teach it!

Date _____

Signed _____



Answer Key

1. Total Check

1. Right total: 3 stars and 2 stars make 5 stars. $3 + 2 = 5$. Right total!
2. Wrong total: 4 is just one group. Count all the members: $4 + 4 = 8$. Wrong total.
3. Right total: 5 kids and 1 more kid make 6 kids. $5 + 1 = 6$. Right total!
4. Wrong total: Put 6 in your head and count on 2: 7, 8. $2 + 6 = 8$, not 7. Wrong total.
5. Right total: Put 6 in your head and count on: 7, 8, 9. $6 + 3 = 9$. Right total!
6. Wrong total: Count them all: $4 + 3 = 7$, not 8. Wrong total.
7. Right total: Put 7 in your head and count on: 8, 9. $7 + 2 = 9$. Right total!
8. Wrong total: 5 is only one group. Join them all: $5 + 5 = 10$. Wrong total.

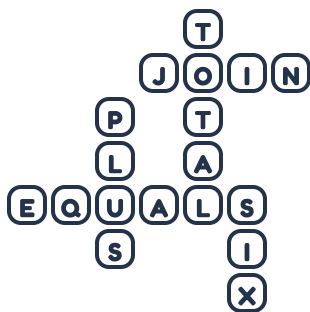
2. Fill the Sky Bus

1. $3 + 2 = 5$. Five kids in all!
2. $4 + 3 = 7$. Seven balloons in all!
3. Put 5 in your head and count on: 6, 7, 8, 9. $5 + 4 = 9$ stars!
4. Start with the bigger number. Put 6 in your head and count on: 7, 8. $2 + 6 = 8$ rockets!
5. Put 6 in your head and count on: 7, 8, 9, 10, 11. $6 + 5 = 11$ kites!

3. Picture Sentences

- 4 rockets plus 2 rockets equals 6 rockets
- 3 stars plus 1 star equals 4 stars
- 5 balloons plus 3 balloons equals 8 balloons
- 2 kites plus 5 kites equals 7 kites
- 6 kids plus 3 kids equals 9 kids
- 1 moon plus 4 moons equals 5 moons

4. Sky Bus Crossword



1 down: total, 2 across: join, 3 down: plus, 4 across: equals, 5 down: six

5. Total Hunt

five, eight, nine, ten

M	Z	J	Z	H	K	B	B
Q	W	D	G	K	K	N	C
W	W	X	C	P	Z	I	F
Q	B	G	D	F	B	N	X
H	P	V	Z	G	H	E	C
Z	E	I	G	H	T	K	D
J	F	I	V	E	J	D	F
Z	V	J	T	E	N	P	G

6. Is Gusty Right?

1. No. When we join, we count every member. $6 + 3 = 9$.
2. No. Count them all: 4, then 5, 6, 7. The total is 7.
3. Yes. Start with the bigger number and count on. $7 + 2 = 9$.

7. Sky Race question cards

1. 5. $3 + 2 = 5$ rockets.
2. $4 + 3 = 7$. 4 kids plus 3 kids equals 7 kids.
3. join. The plus sign means join.
4. the same as. The equals sign means the same as.
5. altogether. Altogether means all together. Join!
6. 8. Put 5 in your head and count on: 6, 7, 8.
7. 8. 6, then 7, 8. You stop on 8.
8. 7. Start with the bigger number. It is faster!
9. 9. Count every member: $6 + 3 = 9$.
10. 11. Put 7 in your head and count on: 8, 9, 10, 11.

Step 3 (how sure?) has no right answer. A child who is right but "not sure" needs one more practice round. A child who is wrong but "very sure" has a mix-up worth talking about.

Altogether means all together. Put everyone in one big group! Words like altogether, in all, total and both tell us to join.