



Equal Groups?

Count each group. Are they equal groups? Tick a box.

1



☐ Equal groups ☐ Not equal

2



☐ Equal groups ☐ Not equal

3



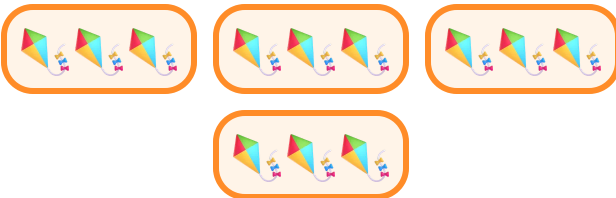
☐ Equal groups ☐ Not equal

4



☐ Equal groups ☐ Not equal

5



☐ Equal groups ☐ Not equal

6



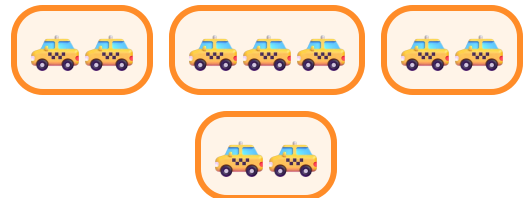
☐ Equal groups ☐ Not equal

7



☐ Equal groups ☐ Not equal

8



☐ Equal groups ☐ Not equal



Park in Groups

Draw the cars in the parking spots so every spot has the same number.
Then finish the sentence.



- 1 Rearrange 8 sky cars into 2 equal groups.



Spot A

Spot B

2 groups of ____ equals 8.

- 2 Rearrange 9 sky taxis into 3 equal groups.



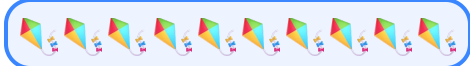
Spot A

Spot B

Spot C

3 groups of ____ equals 9.

- 3 Rearrange 10 kites into 5 equal groups.



A

B

C

D

E

5 groups of ____ equals 10.

- 4 Rearrange 12 sky cars into 4 equal groups.



Spot A

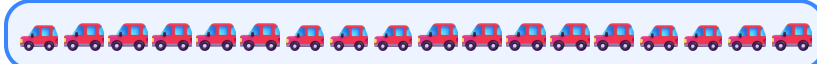
Spot B

Spot C

Spot D

4 groups of ____ equals 12.

- 5 Rearrange 18 sky cars into 3 equal groups.



Spot A

Spot B

Spot C

3 groups of ____ equals 18.



3

Groups Of

Draw a line from each picture to the words that tell its groups.

P Parking lots

Groups of

2 groups of 5

4 groups of 2

3 groups of 3

2 groups of 4

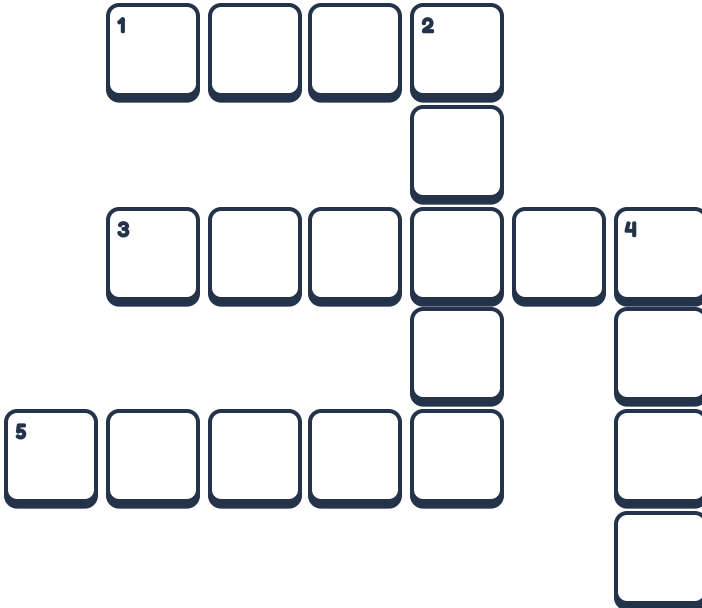
2 groups of 3

3 groups of 2



Parking Crossword

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



1 across · 4 letters

When we rearrange, we only ___ things around.



2 down · 5 letters

Groups with the same number in each are ___ groups.



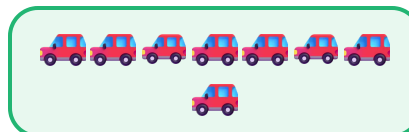
3 across · 6 letters

3 ___ of 3 equals 9.



4 down · 4 letters

New groups, ___ total!



5 across · 5 letters

When we rearrange, the ___ stays the same.

Word bank: EQUAL · GROUPS · MOVE · SAME · 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.

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



2 groups of 3 cars.
How many cars in
all?



2 groups of 5
kites. How
many kites in
all?



3 groups of 3
stars. How
many stars in
all?



3 groups of 4
taxis. How
many taxis in
all?

Stuck? Here are the words, upside down: six · ten · nine · twelve



Is Gusty Right?

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



"I moved 14 stars into 2 groups of 7. Now there are more stars!"



Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"I parked 9 cars as 4, 3 and 2. That is 3 equal groups!"



Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"I rearranged 16 kites into 2 equal groups. That is 2 groups of 8!"



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!



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

Rearrange 21 moons into 3 equal groups. How many moons are in each group?

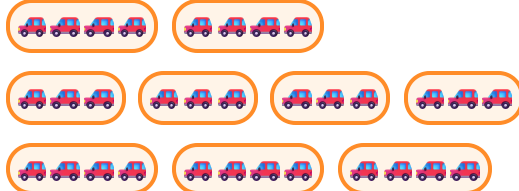


6 7 8
.....

Answer: 7

★ Question 2

Which picture shows 3 groups of 4?



Answer: 3 groups of 4 sky cars

★ Question 3

When we rearrange a set, what happens to the total?

↑ It gets bigger ⚖ It stays the same ↓ It gets smaller

Answer: It stays the same

★ Question 4

Which words tell us to make groups?

P groups of 🤝 altogether 🗑 left over

Answer: groups of

★ Question 5

20 balloons are in 2 groups of 10. Rearrange them into 5 equal groups. How many are in each group?



2 4 5
..

Answer: 4

★ Question 6

How many sky taxis are there in all?



9 12 15
.....

Answer: 12

★ Question 7

Gusty rearranged 16 kites into 2 groups of 7. Is he right?



👍 Yes 👎 No

Answer: No

★ Question 8

What is the first step to rearrange a set?

1 2 3 4 Count all the objects — Take some away

+ Add more objects

Answer: Count all the objects

★ Question 9

Eighteen sky cars. Which is another way to group them?

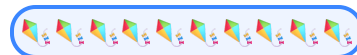


P 3 groups of 6 P 3 groups of 5 P 2 groups of 8

Answer: 3 groups of 6

★ Question 10

Rearrange 10 kites into 5 equal groups. How many kites are in each group?



2 3 5
..

Answer: 2



Group Stamp Earned!



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

Rearranging a set means moving the objects into equal groups. The total stays the same. We can say how many groups, and how many in each group.

Our chant: Move them around, make groups the same! The total stays, it's the grouping game!

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. Equal Groups?

1. Equal groups: 2 groups of 4. Equal groups! 2 groups of 4 equals 8.
2. Not equal: 4, 3 and 2 are not the same. Not equal. Rearranged, it is 3 groups of 3.
3. Equal groups: 3 groups of 2. Equal groups! 3 groups of 2 equals 6.
4. Not equal: 5 and 3 are not the same. Not equal. Rearranged, it is 2 groups of 4.
5. Equal groups: 4 groups of 3. Equal groups! 4 groups of 3 equals 12.
6. Not equal: 6 and 4 are not the same. Not equal. Rearranged, it is 2 groups of 5.
7. Equal groups: 2 groups of 5. Equal groups! 2 groups of 5 equals 10.
8. Not equal: One group has 3. Not equal. Rearrange it so every group has the same number.

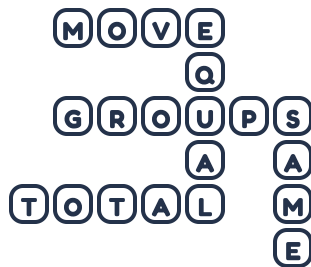
2. Park in Groups

1. 2 groups of 4 equals 8. We still have 8 cars. We just moved them!
2. 3 groups of 3 equals 9. The total stays the same!
3. 5 groups of 2 equals 10. Still 10 kites!
4. 4 groups of 3 equals 12. New groups, same total!
5. 3 groups of 6 equals 18. We did not add or take away any cars!

3. Groups Of

- 2 groups of 3 equals 6
- 3 groups of 2 equals 6
- 2 groups of 5 equals 10
- 4 groups of 2 equals 8
- 3 groups of 3 equals 9
- 2 groups of 4 equals 8

4. Parking Crossword



- 1 across: move, 2 down: equal, 3 across: groups, 4 down: same, 5 across: total

5. Total Hunt

six, ten, nine, twelve



6. Is Gusty Right?

1. No. We only moved them. 2 groups of 7 equals 14, the same total.
2. No. 4, 3 and 2 are not the same. Equal groups are 3, 3 and 3.
3. Yes. Both groups have 8, and 2 groups of 8 equals 16.

7. Sky Race question cards

1. 7. 3 groups of 7 equals 21.
2. 3 groups of 4 sky cars. 3 groups, with 4 in each group. That makes 12.
3. It stays the same. We only move things, so the total stays the same.
4. groups of. Rearrange, arrange, equal groups and groups of tell us to make groups.
5. 4. 5 groups of 4 equals 20. Still 20 balloons!
6. 12. 4 groups of 3 equals 12.
7. No. 2 groups of 7 is only 14. 16 kites make 2 groups of 8.
8. Count all the objects. Step one: count all the objects.
9. 3 groups of 6. 3 groups of 6 equals 18 too. The groups change, the total stays the same.
10. 2. 5 groups of 2 equals 10.

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.

New groups, same total! We only move things around. Words like rearrange, arrange, equal groups and groups of tell us to make groups.