



Which Sky Skill?

Read each race job. Which sky skill does it need? Tick a box.

- 1 Does every pilot get a helmet? Are the sets equal?



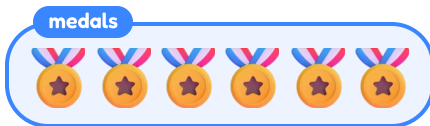
☐ Match ☐ Join ☐ Share ☐ Group

- 2 There are 3 red cars and 4 blue cars. How many cars altogether?



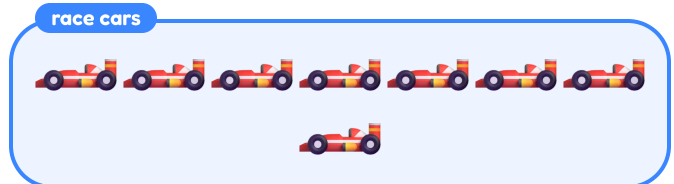
☐ Match ☐ Join ☐ Share ☐ Group

- 3 Share 6 medals equally between 2 racers.



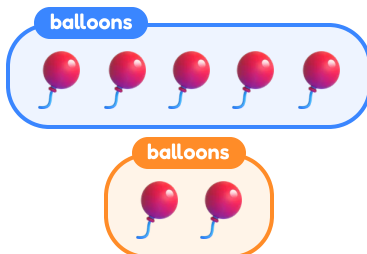
☐ Match ☐ Join ☐ Share ☐ Group

- 4 Rearrange 8 race cars into 2 equal groups.



☐ Match ☐ Join ☐ Share ☐ Group

- 5 5 balloons join 2 more balloons. How many in all?



☐ Match ☐ Join ☐ Share ☐ Group

- 6 Arrange 9 stars in groups of 3.



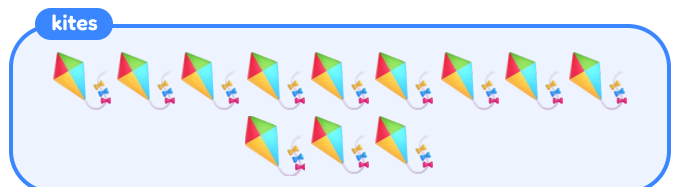
☐ Match ☐ Join ☐ Share ☐ Group

- 7 Is there one trophy for each winner?



☐ Match ☐ Join ☐ Share ☐ Group

- 8 Share 12 kites among 3 friends. How many does each friend get?



☐ Match ☐ Join ☐ Share ☐ Group

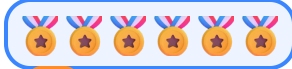


Pit Stop Groups

Draw the things in the rings, one at a time, so every ring has the same number. Then finish the sentence.



- 1 Share 6 medals equally between Kai and Mei.



Kai

Mei

Each racer gets ____ medals.

- 2 Rearrange 12 race cars into 3 equal groups.



Lane 1

Lane 2

Lane 3

3 groups of ____ equals 12.

- 3 Share 10 balloons between 2 friends.



Amira

Rio

Each friend gets ____ balloons.

- 4 Arrange 15 stars into 5 equal groups.



Lane 1

Lane 2

Lane 3

Lane 4

Lane 5

5 groups of ____ equals 15.

- 5 Share 16 trophies among 4 racers.



Jada

Mateo

Maeve

Kai

Each racer gets ____ trophies.



Race Answers

Count each picture. Draw a line to the number that answers it.

Race jobs



How many altogether?



How many does each get?



How many in each group?



How many in all?



How many in all?



How many in all?

Answers

5
.....

12
.....

9
.....

6
.....

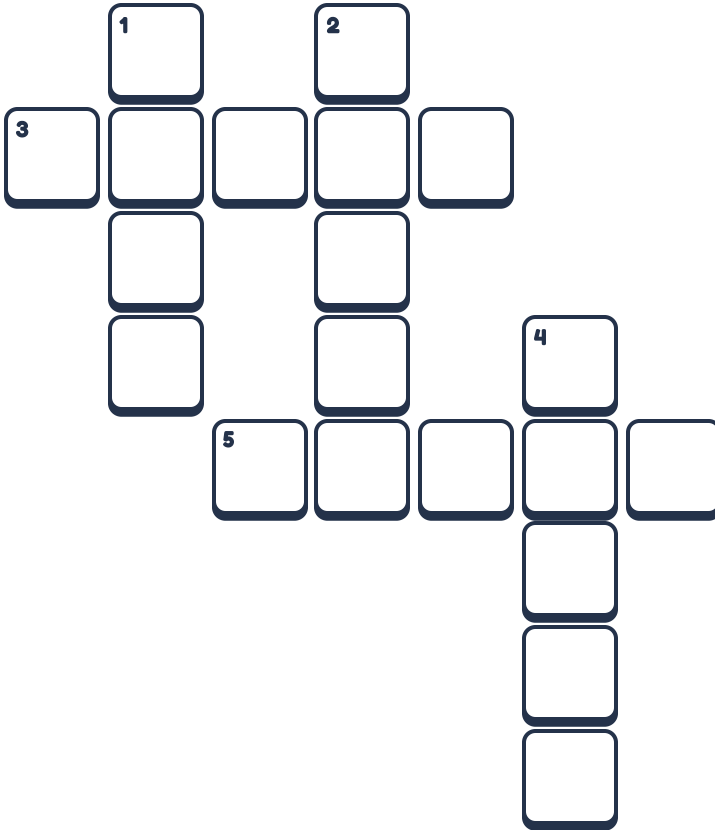
7
.....

2
..



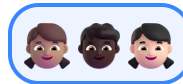
Champion Crossword

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



1 down · 4 letters

Put two sets together. We
___ them.



2 down · 5 letters

Pair them up, one to one, to
___ two sets.



3 across · 5 letters

When we join sets, we count
the ___.



**4 down · 5
letters**

Move things
into equal
groups. We
___ them.



**5 across · 5
letters**

Give them out
one at a time
so everyone
gets the same.
We ___.

Word bank: GROUP · JOIN · MATCH · SHARE · TOTAL

5

Finish Line 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.



H	K	K	F	F	L	V	X
P	Q	V	O	I	L	V	B
F	B	L	U	V	C	Z	H
Q	M	Q	R	E	X	N	J
B	X	H	Z	B	C	I	F
T	W	E	L	V	E	N	F
H	X	B	W	W	J	E	Q
F	Z	H	Q	X	Z	F	X



5 race cars and 4 more join. How many altogether?





8 medals shared between 2 racers. How many does each racer get?





2 groups of 6 kites. How many kites in all?





Every pilot gets a helmet. How many helmets?



Stuck? Here are the words, upside down: nine · four · twelve · five



Is Gusty Right?

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



"The cars spread out, so there are more cars than kites!"

sky cars



kites



Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"I shared 10 balloons. 6 for Rio and 4 for Jada. Fair!"

Rio



Jada



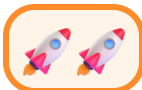
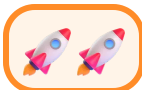
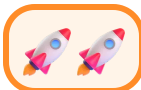
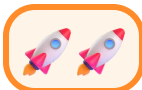
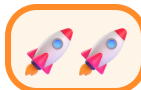
Step 1. Is Gusty right? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



"I rearranged 10 rockets into 5 groups of 2. The total is still 10!"



Step 1. Is Gusty right this time? ☐ Yes ☐ No

Step 2. Why?

Step 3. How sure are you? 😞 ☐ 😊 ☐ 😄 ☐



Great 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!



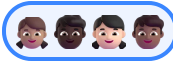
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Question Cards

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

★ Question 1

Are these sets equal?



👍 Yes 👎 No

Answer: Yes

★ Question 2

4 red cars and 2 blue cars. How many cars altogether?

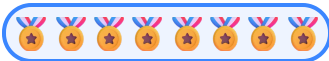


5 6 7
.....

Answer: 6

★ Question 3

Share 8 medals between 2 racers. How many does each racer get?



3 4 6
... ..

Answer: 4

★ Question 4

Which picture shows 3 groups of 2?



Answer: 3 groups of 2 race cars

★ Question 5

Which word tells us to join?

👉 altogether ⚖️ each P groups of

Answer: altogether

★ Question 6

Twelve stars are rearranged into 2 equal groups. How many are in each group?



4 6 8
... ..

Answer: 6

★ Question 7

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 8

Gusty shared 9 kites as 5 and 4. Is that fair?

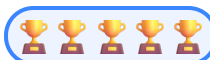


👍 Yes 👎 No

Answer: No

★ Question 9

5 trophies join 3 more trophies. How many trophies in all?



7 8 9
... ..

Answer: 8

★ Question 10

Which set has more?



Answer: 6 balloons



Sky Squad Champion!



earned all 4 stamps on the **Sky Squad Pilot License:**
Match, Join, Share and Group

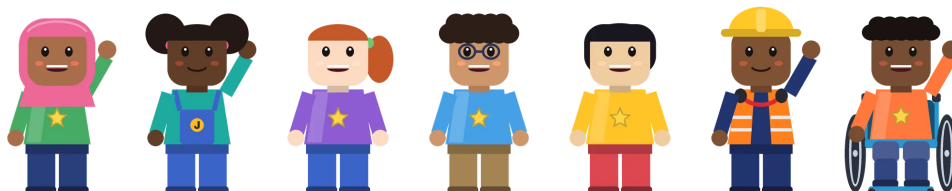
Match: pair up two sets to see if they are equal. Join: put sets together and count the total. Share: give out one at a time so each group gets the same. Group: move things into equal groups, and the total stays the same.

Our chant: Match them, join them, share them fair! Group them up,
we're in the air!

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. Which Sky Skill?

1. Match: One helmet for each pilot. That is Match!
2. Join: Altogether means put the sets together. That is Join! 3 and 4 make 7.
3. Share: Share equally means each one gets the same. That is Share! 3 each.
4. Group: Rearrange into equal groups. That is Group! 2 groups of 4.
5. Join: In all means put the sets together. That is Join! 5 and 2 make 7.
6. Group: Groups of means make equal groups. That is Group! 3 groups of 3.
7. Match: Pair them up, one to one. That is Match!
8. Share: Among and each tell us to share. That is Share! 4 each.

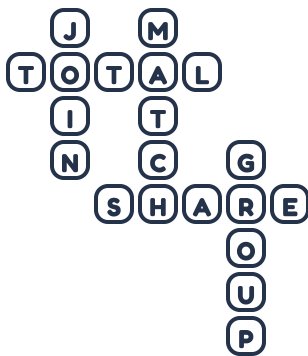
2. Pit Stop Groups

1. 6 medals shared between 2 racers is 3 each.
2. 3 groups of 4 equals 12. New groups, same total!
3. 5 and 5 make 10. Fair share means same share!
4. 5 groups of 3 equals 15.
5. 16 trophies shared among 4 racers is 4 each. 4, 8, 12, 16!

3. Race Answers

- 4 and 3 make 7 altogether
- 6 shared among 3 is 2 each
- 2 groups of 5 equals 10
- 3 groups of 4 equals 12
- 6 and 3 make 9 in all
- 2 groups of 3 equals 6

4. Champion Crossword



1 down: join, 2 down: match, 3 across: total, 4 down: group, 5 across: share

5. Finish Line Hunt

nine, four, twelve, five



6. Is Gusty Right?

1. No. Pair them up: 5 cars and 5 kites. The sets are equal.
2. No. 6 and 4 are not the same. Fair is 5 and 5.
3. Yes. Every group has 2, and 5 groups of 2 equals 10.

7. Great Sky Race question cards

1. Yes. Pair them up: 4 and 4. Equal sets!
2. 6. 4 and 2 make 6.
3. 4. 4 and 4. Each racer gets 4.
4. 3 groups of 2 race cars. 3 groups, with 2 in each group. That makes 6.
5. altogether. Altogether, in all and total tell us to join.
6. 2 groups of 6 equals 12.
7. It stays the same. New groups, same total!
8. No. 5 and 4 are not the same, so it is not fair.
9. 8. 5 and 3 make 8.
10. 6 balloons. Pair them up. 6 is more than 4, even though the 4 balloons spread out.

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.

Listen for the clue words! Same number means Match. Altogether and in all mean Join. Share, each and among mean Share. Rearrange and groups of mean Group.