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Teamwork

I can use short division to solve problems.



The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are **79** children in the school.

Use short division to work out the answers to these problems.

1.	How many teams will there be if they are sorted into teams of 3 children?	
	Will there be any children left who are not in a team of 3?	
2.	What if they are sorted into teams of 4 children?	
	Will there be any children left who are not in a team of 4?	
3.	What if they are sorted into teams of 6 children?	
	Will there be any children left who are not in a team of 6?	
4.	What if they are sorted into teams of 8 children?	
	Will there be any children left who are not in a team of 8?	



5.	How many teams will there be if they are sorted into teams of 9 children?
	Will there be any children left who are not in a team of 9?
6.	The teachers buy each child an ice cream to have after the races. The ice creams come in
	packs of 5. How many packs will they need to buy?
7.	Each child needs a medal for taking part. Medals come in packs of 12. How many packs does
	Dove Primary School need?
8.	If each bottle of squash makes 20 cups of orange juice and the school buys 3 bottles, will
	there be enough for all of the children to have a drink?
0	
9.	Can you make up some of your own word problems about your school sports day?

Answers

2.
$$79 \div 4 = 19 r 3$$

4.
$$79 \div 8 = 9 r 7$$

5.
$$79 \div 9 = 8 r 7$$

6.
$$79 \div 5 = 15 \text{ r 4}$$
 so they need to buy 16 packs.

7.
$$79 \div 12 = 6 \text{ r } 7 \text{ so they need to buy } 7 \text{ packs.}$$

- 8. No. They need 4 bottles.
- 9. Multiple answers possible.



I can use short division to solve problems.



The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are **362** children in the school.

Use short division to work out the answers to these problems.

1.	How	man	y tea	ms w	ill th	ere b	e if t	hey c	are so	rted	into	teams	of 3	child	lren?		
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 3?					
2	What	:£+h	011 61		+-d:	nto t	0 61 100 0	of /	ماناط	ron 2							
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	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 4?_					
3.	What	if th	ey aı	re sor	ted i	nto t	eams	of 6	child	ren?				_			
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 6?			_		
4.	What	_	_											_			
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 8?_					



5.	How many teams will there be if they are sorted into teams of 9 children?
	Will there be any children left who are not in a team of 9?
6.	The teachers buy each child an ice cream to have after the races. The ice creams come in
	packs of 5. How many packs will they need to buy?
_	-
/.	Each child needs a medal for taking part. Medals come in packs of 7. How many packs does Dove Primary School need?
	Sove Frintary School need:
8.	If each bottle of squash makes 20 cups of orange juice and the school buys 18 bottles, will
	there be enough for all of the children to have a drink?
9.	Can you make up some of your own word problems about your school sports day?

Answers

- 6. 73 packs
- 7. 52 packs
- 8. No. They need 19 bottles.
- 9. Multiple answers possible.



I can use short division to solve problems.



The children of Dove Primary School have their sports day today. They are all really excited!

The teachers want to put them into teams. There are 498 children in the school.

Use short division to work out the answers to these problems.

1.	How	man	y tea	ms w	ill th	ere b	e if t	hey c	are so	rted	into	teams	of 3	child	lren?		
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 3?					
2	What	:£+h	011 61		+-d:	nto t	0 61 100 0	of /	ماناط	ron 2							
۷.		-	-					_						_			
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 4?_					
3.	What	if th	ey aı	re sor	ted i	nto t	eams	of 6	child	ren?				_			
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 6?			_		
4.	What	_	_											_			
	Will t	here	be aı	ny ch	ildre	n left	who	are	not ir	ı a te	am c	of 8?_					



5	How	manı	ı toa	me v	ıill +h	ara h	o if t	hau c	ira so	rtod	into:	taam	s of 1	2 chi	ldran	2			
<i>J</i> .	Will 1						-	_							laren	•			_
	VVIII	.itere	De ui	ity Ci	illure	n tej	. WILC	ure	ווטנ נו	iuie	uni) 12:							
6.	The t	each	ers bi	uy ea	ıch cl	rild o	ın ice	crea	m to	have	afte	r the	race	s. The	ice c	crean	ns cor	ne in	
	packs	of 5	. Hov	v ma	ny po	ıcks ı	will t	hey r	reed t	to bu	y?_								
7	Each	child	l n <i>ooi</i>	ds a i	meda	l for	tabin	a na	rt Ma	odale	com	e in r	nacbo	of 11	Ном	/ ma	ทม ทก	ıcksir	lnes
	Dove					-	Lakin	g pa		Juuis	COIII	C 111 F	Jacks	oj 11	. 1100	v III.a	rig po	icks c	1003
	Dove	FILIII	ury .	JCITO	oi ne														
8.	If ead	h bo	ttle o	f squ	.ash r	nake	s 20	cups	of or	ange	juice	and	the s	choo	l buy	s 25	bottle	es, wi	ill
	there	be er	roug	h for	all o	f the	child	ren t	o hav	re a c	lrink'	?							
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Answers

- 8. Yes
- 9. Multiple answers possible.