

DASHING THROUGH THE SNOW



A number of adults and children are ice skating at the White Rose ice rink.



$\frac{3}{8}$ of people ice skating are adults.

The rest are children.

There are 24 more children ice skating than adults.

How many people are ice skating in total?

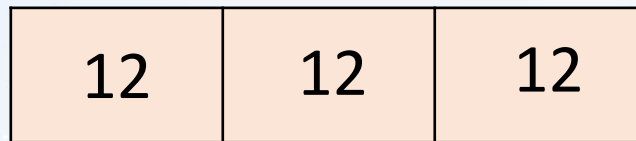
Have a think



There are 24 more children ice skating than adults.



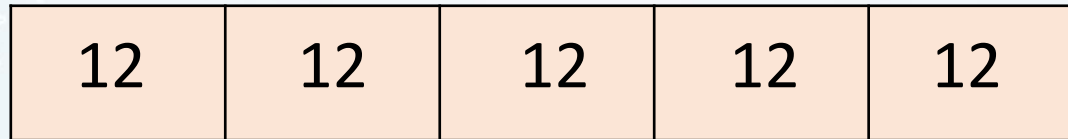
Adults



24



Children



?

96 people were ice skating.

Eva, Mo, Dexter and Dora are ski jumping.
Can you work out how far each person jumped?



Eva

I jumped $\frac{3}{4}$ of the length Dexter jumped.

Have a think



I jumped 36 metres less than Dexter.



Mo



Dexter

I jumped the equivalent of 6^3 in metres.



Dora

I jumped 5,300 cm further than Eva.



Eva

I jumped $\frac{3}{4}$ of the length Dexter jumped.

I jumped 36 metres less than Dexter.



Mo



Dexter

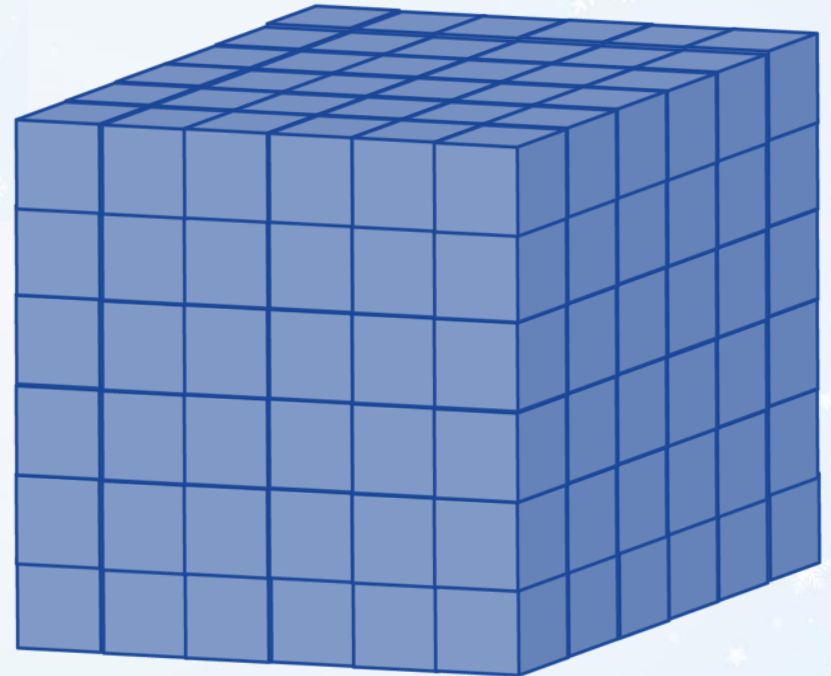
I jumped the equivalent of 6^3 in metres.

I jumped 5,300 cm further than Eva.



Dora

Dexter jumped 216 metres.



$$6 \times 6 = 36$$

$$36 \times 6 = 216$$

Dexter jumped 216 metres.



Eva

I jumped $\frac{3}{4}$ of the length Dexter jumped.

I jumped 36 metres less than Dexter.



Mo



Dexter

I jumped the equivalent of 6^3 in metres.

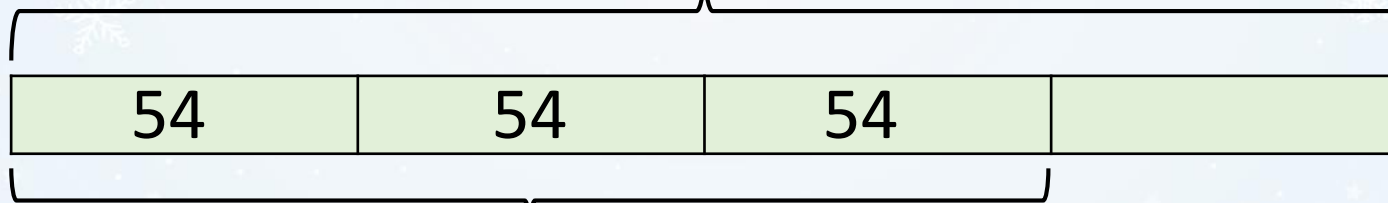
I jumped 5,300 cm further than Eva.



Dora

$$\begin{array}{r} 054 \\ 4 \overline{) 216} \\ \underline{216} \\ 0 \end{array}$$

216



?

Eva jumped 162 metres.



Eva

I jumped $\frac{3}{4}$ of the length Dexter jumped.

I jumped 36 metres less than Dexter.



Mo



Dexter

I jumped the equivalent of 6^3 in metres.

I jumped 5,300 cm further than Eva.



Dora

Dexter jumped 216 metres.

Eva jumped 162 metres.

Mo jumped 180 metres.

Dora jumped 215 metres.

$$216 - 36 = 180$$

Who jumped the furthest?
By how many metres?

What is the difference between the longest and shortest jump?

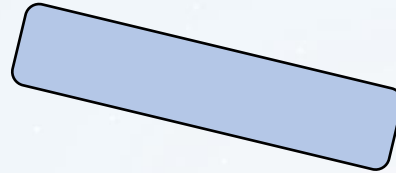
We have a late entry!
Annie's jump becomes the third longest jump.
What could the distance be?

On a winter school trip, children are allowed to choose 2 of the following activities to try.

Sledging



Snowboarding



Skiing



Tobogganing



How many different possible combinations are there?

Have a think



On a winter school trip, children can choose 2 of the following activities to try. How many different possible combinations are there now?

Sledging

Snowboarding

Skiing

Have a Think!



✓	✓		
✓		✓	
✓			✓
	✓	✓	
	✓		✓
		✓	✓

Sledging	Snowboarding	Skiing	Tobogganing	Ice canoeing
✓	✓			
✓		✓		
✓			✓	
	✓	✓		
	✓		✓	
		✓	✓	
✓				✓
	✓			✓
		✓		✓
			✓	✓

There are 10 possible combinations.

4 activities = 6 combinations

5 activities = 10 combinations

6 activities = ? combinations

7 activities = ? combinations

10 activities = ? combinations

20 activities = ? combinations