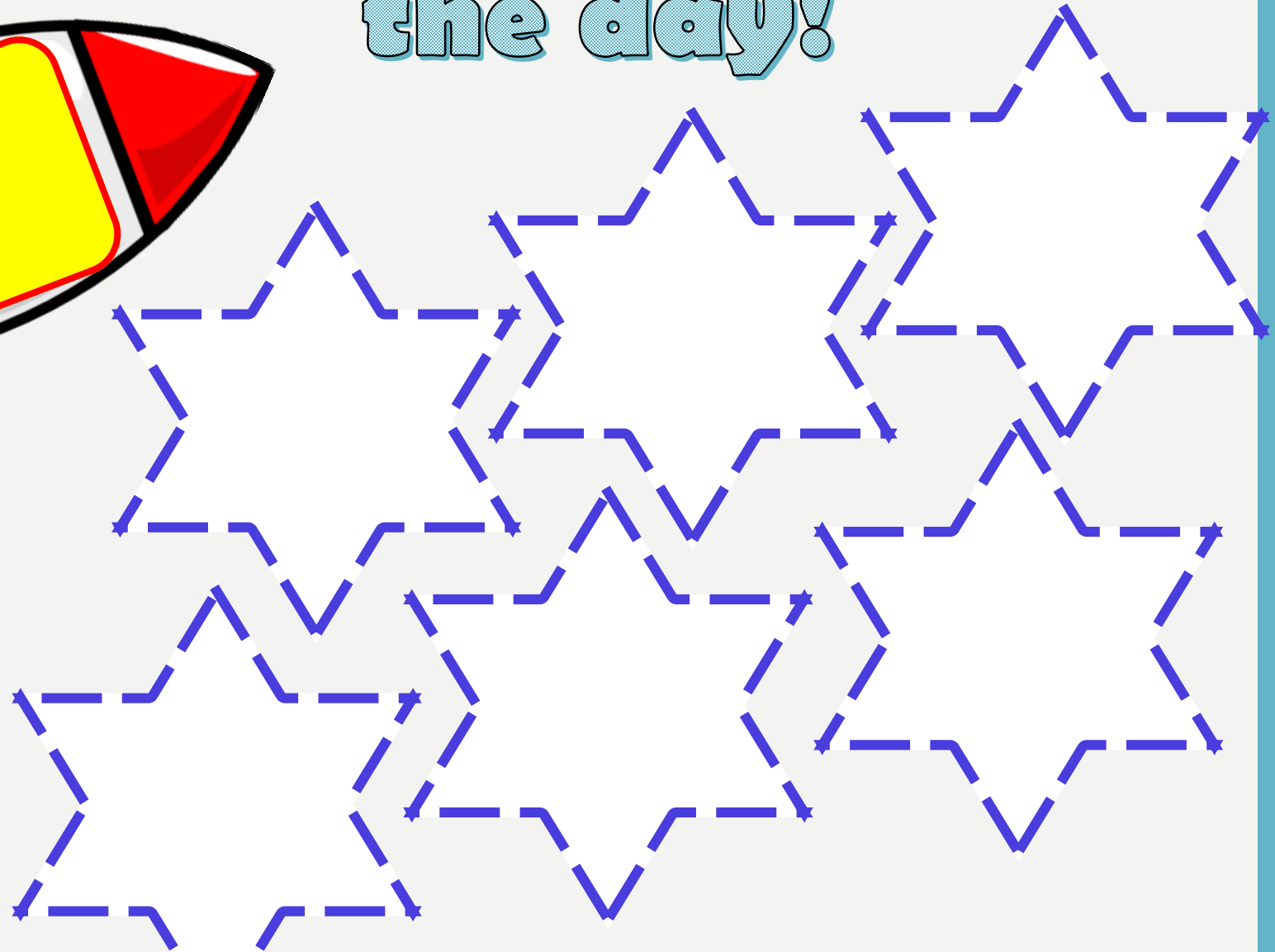
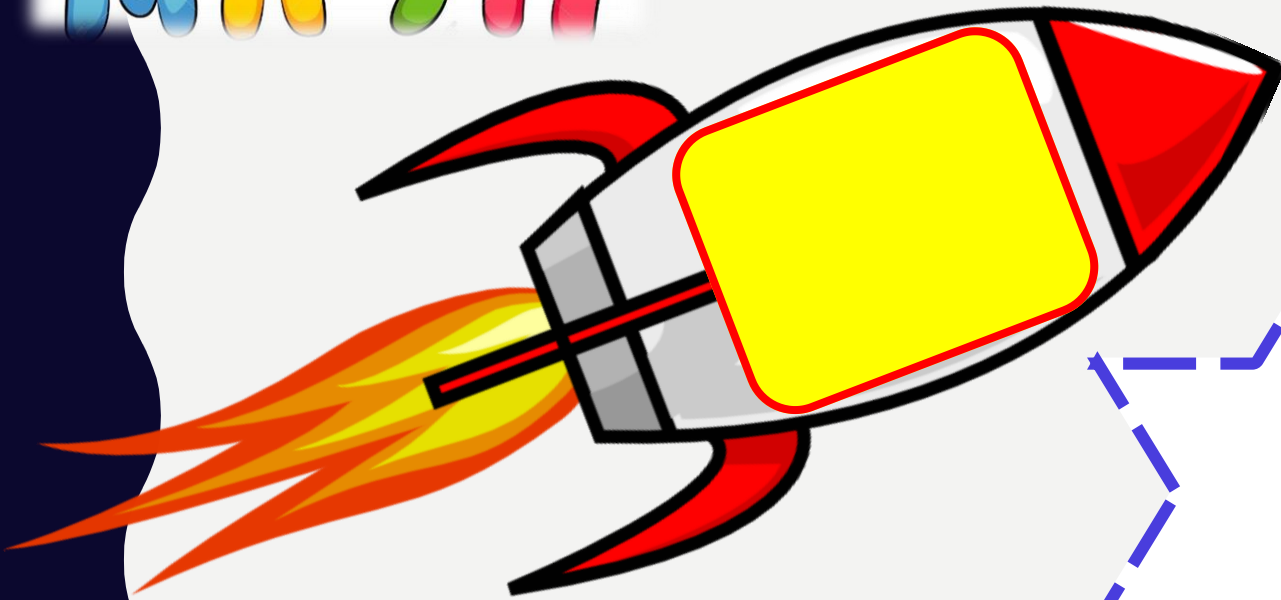




Mathematician of the day!



NAILED IT!

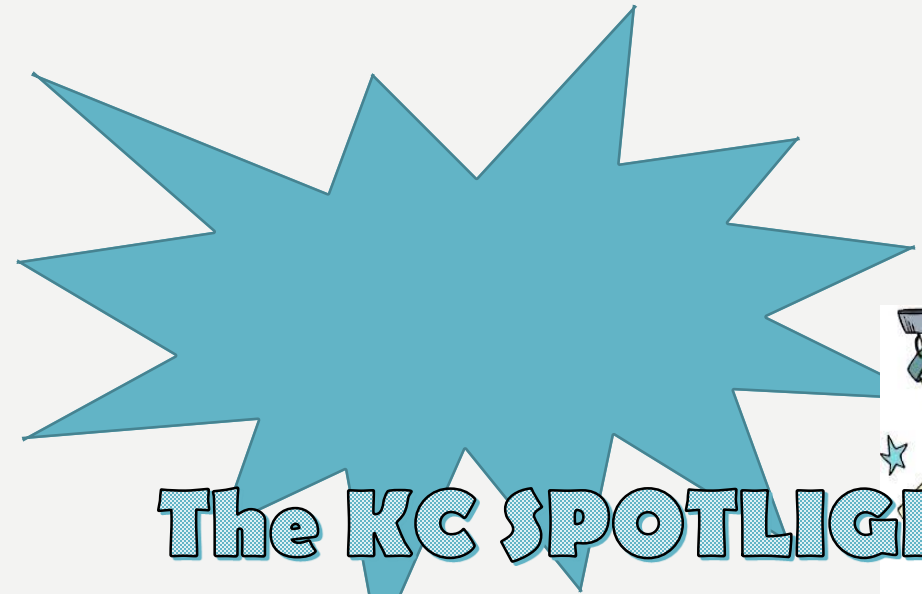
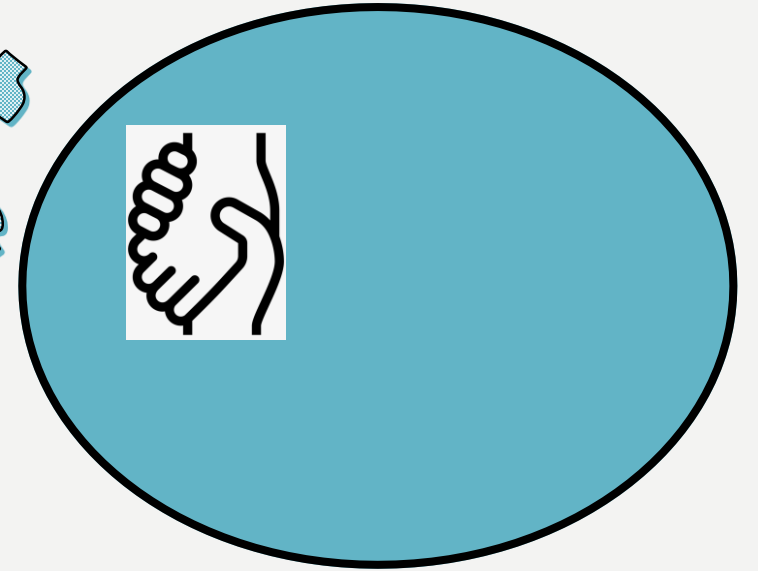


Presentation watch...



Non-negotiables

Silky's Circle

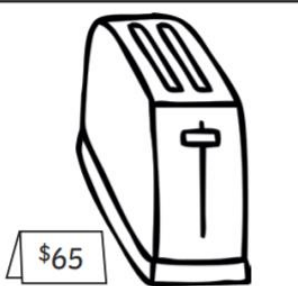
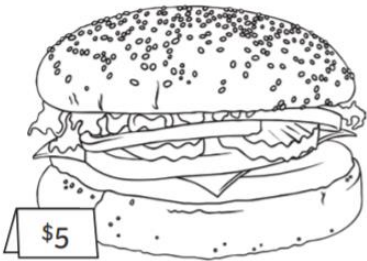


The KC SPOTLIGHT

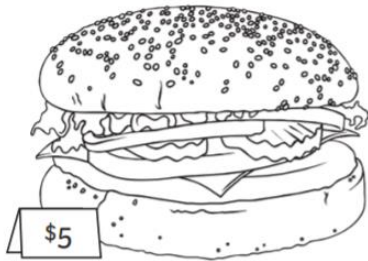


RECALL

03.02.21

Item and price	% discount	Actual discount	New price
	50%		
	25%		
	10%		

RECALL

Item and price	% discount	Actual discount	New price
	50%	\$32.50	\$32.50
	25%	\$1.25	\$3.75
	10%	\$1.20	\$10.80

L.O. -TO FIND ANY PERCENTAGE OF A NUMBER.

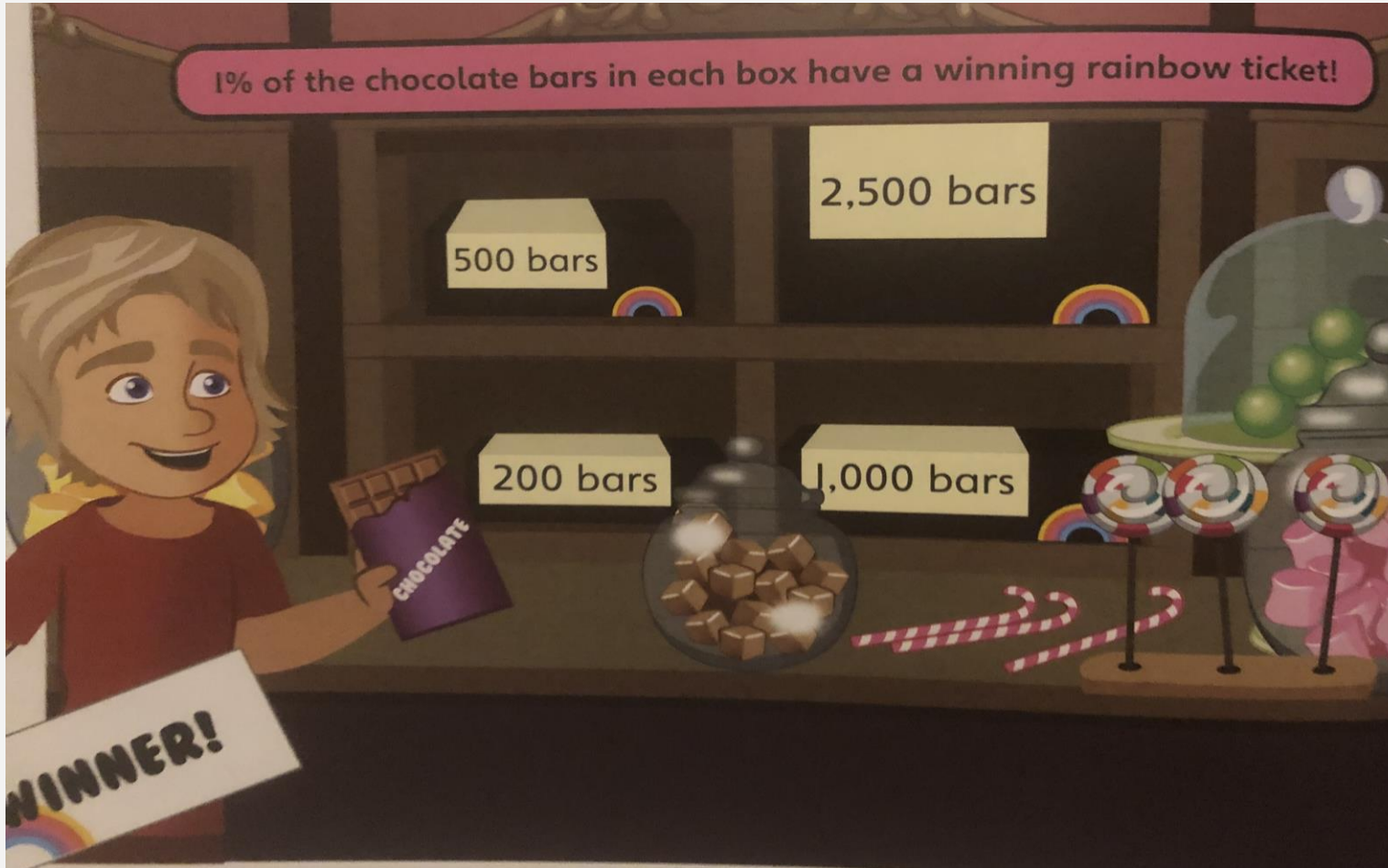
SOME WILL EVEN: Solve a variety of problems involving percentages.

SOME WILL: Calculate **any** given percentage using addition of known percentages.

MOST WILL: Find percentages using a percentage web.

ALL WILL: Use understanding of FDP/divide by 10/100 to help find 50%, 25%, 10% and 1%.

GUIDED PRACTICE – MT TURN



- 1) In a box of 500 chocolate bars, how many bars will have a winning ticket?
- 2) How many rainbow tickets are in each of the other boxes?

help

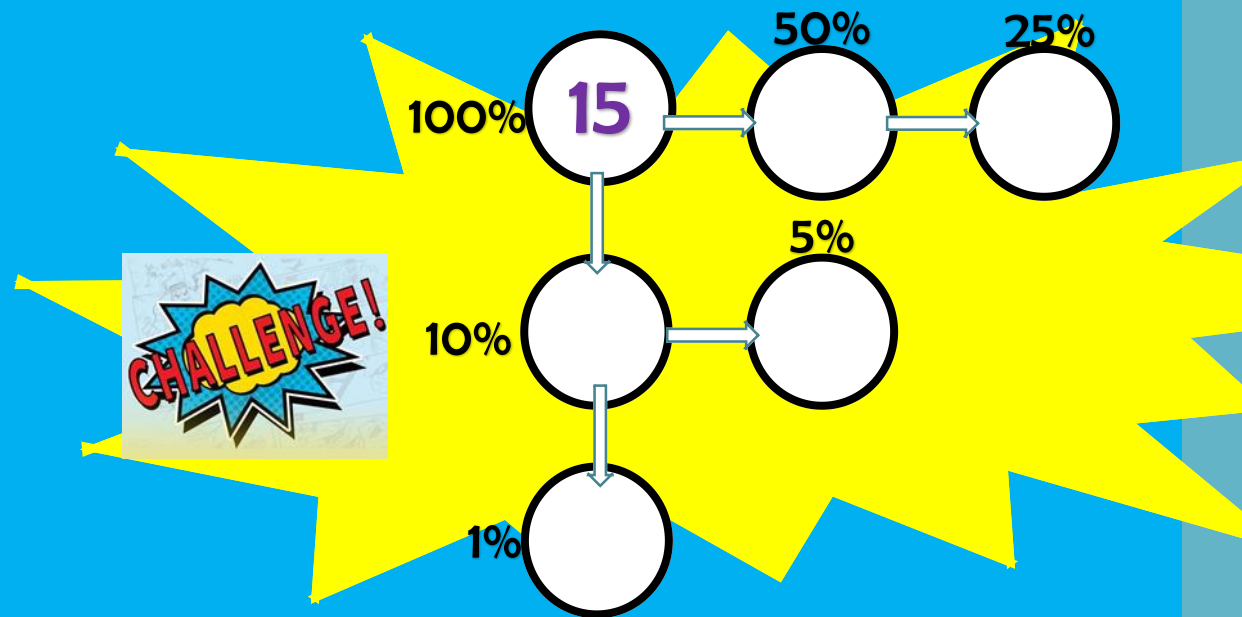
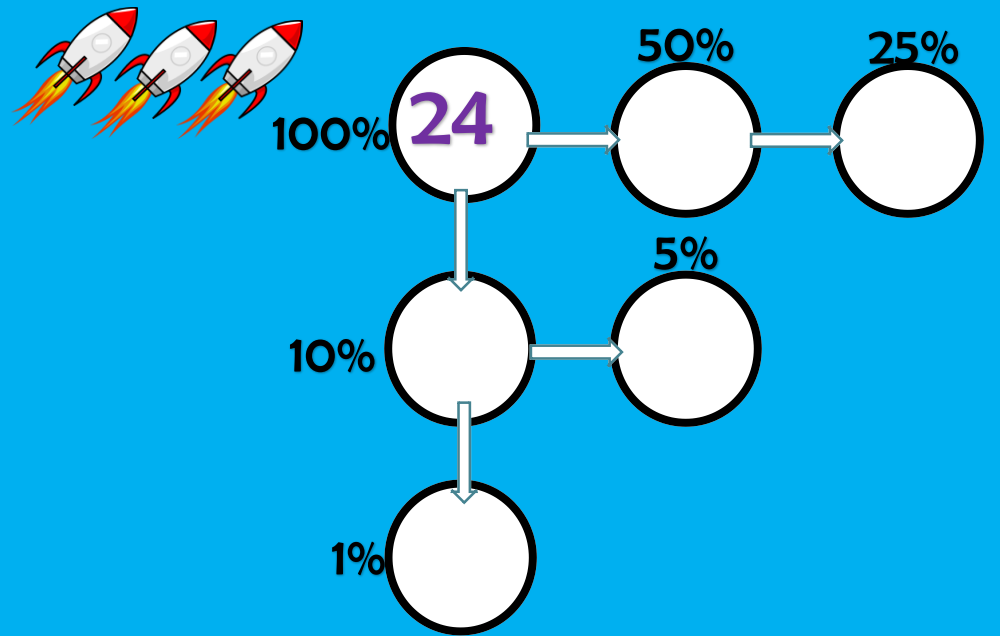
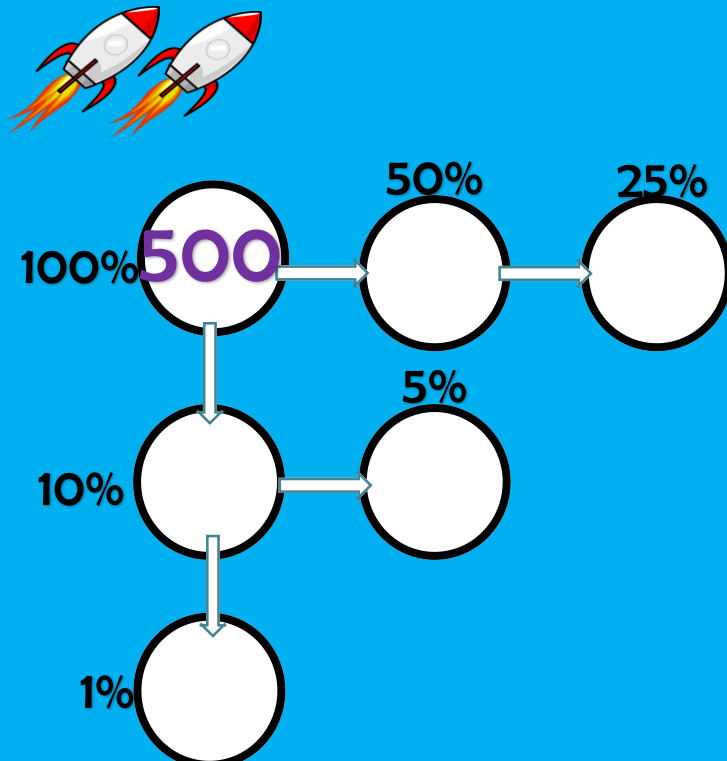
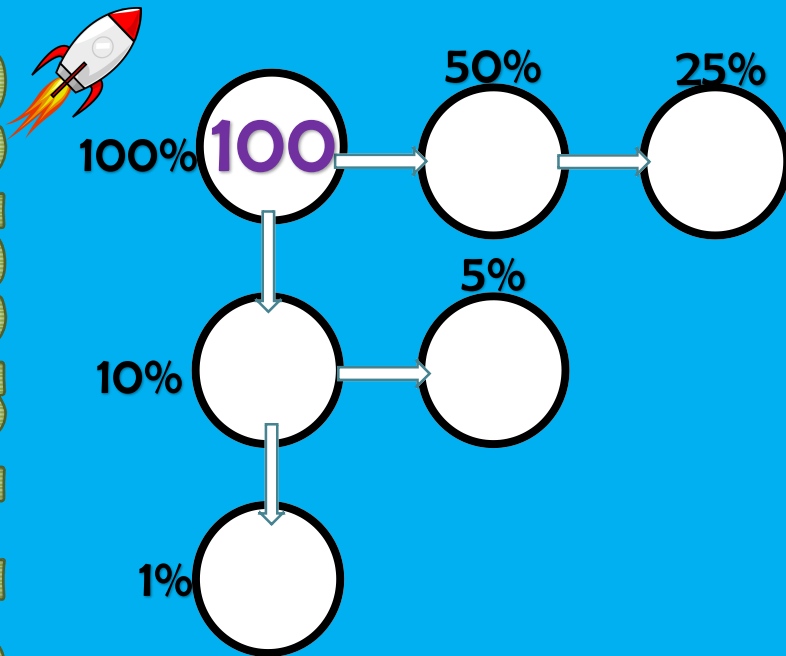
Use a place value chart to help you. (Remember you are dividing by 100!)



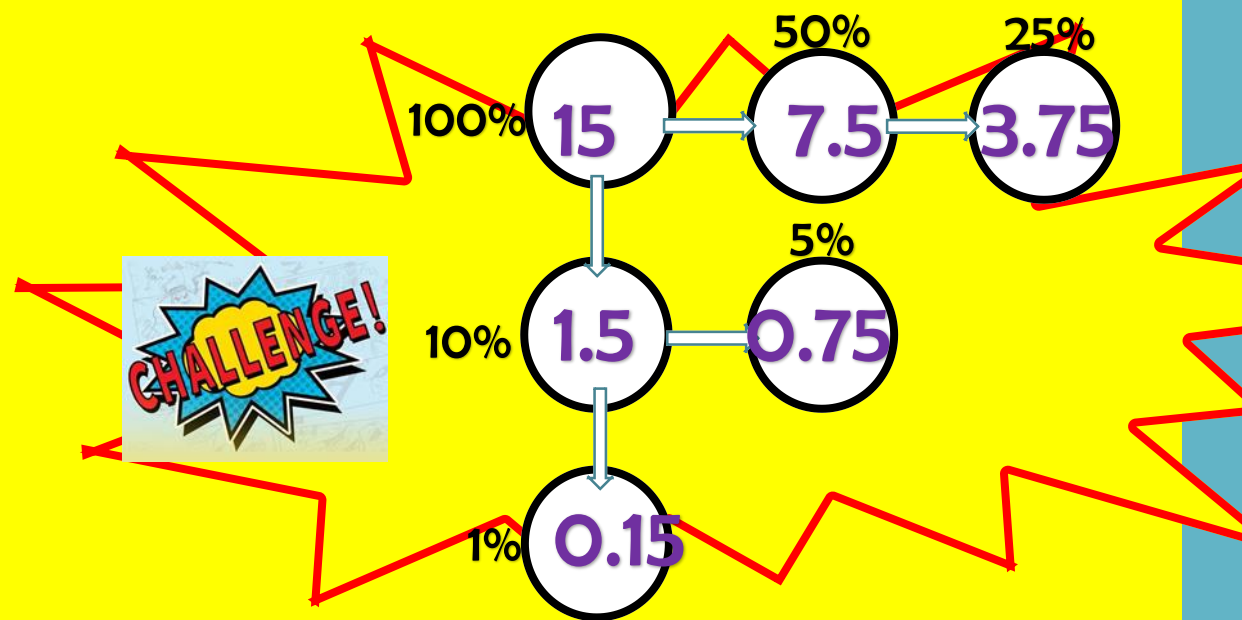
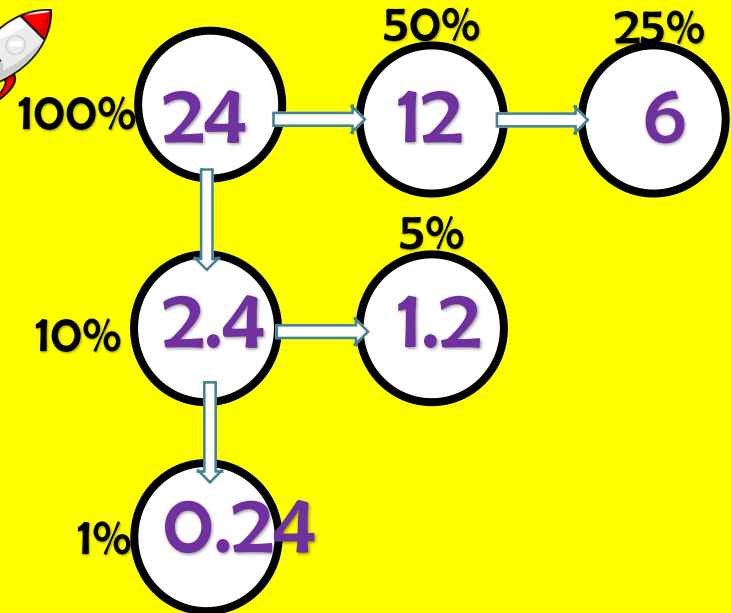
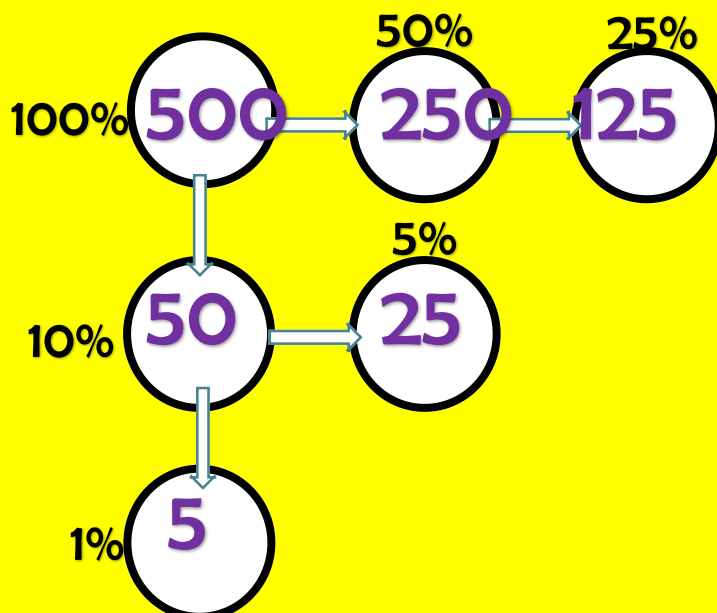
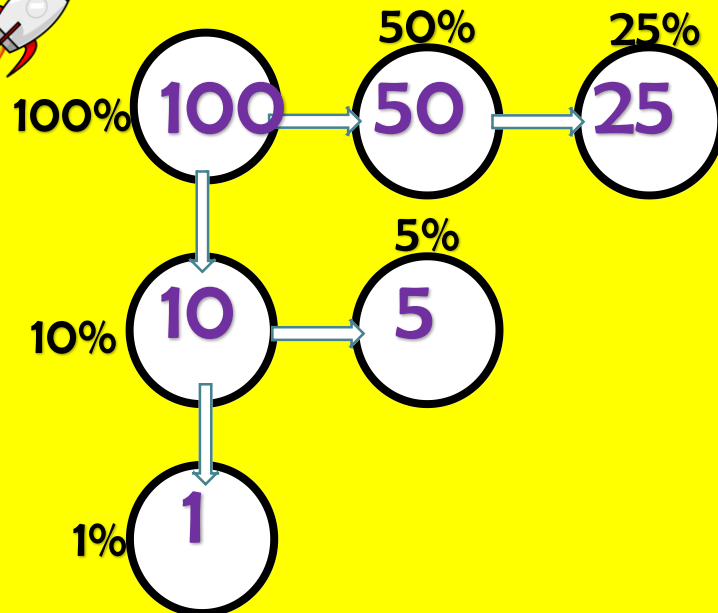
The percentage of rainbow tickets has been increased to 3%.

Use what you have found out to re-calculate how many bars should have rainbow tickets now.

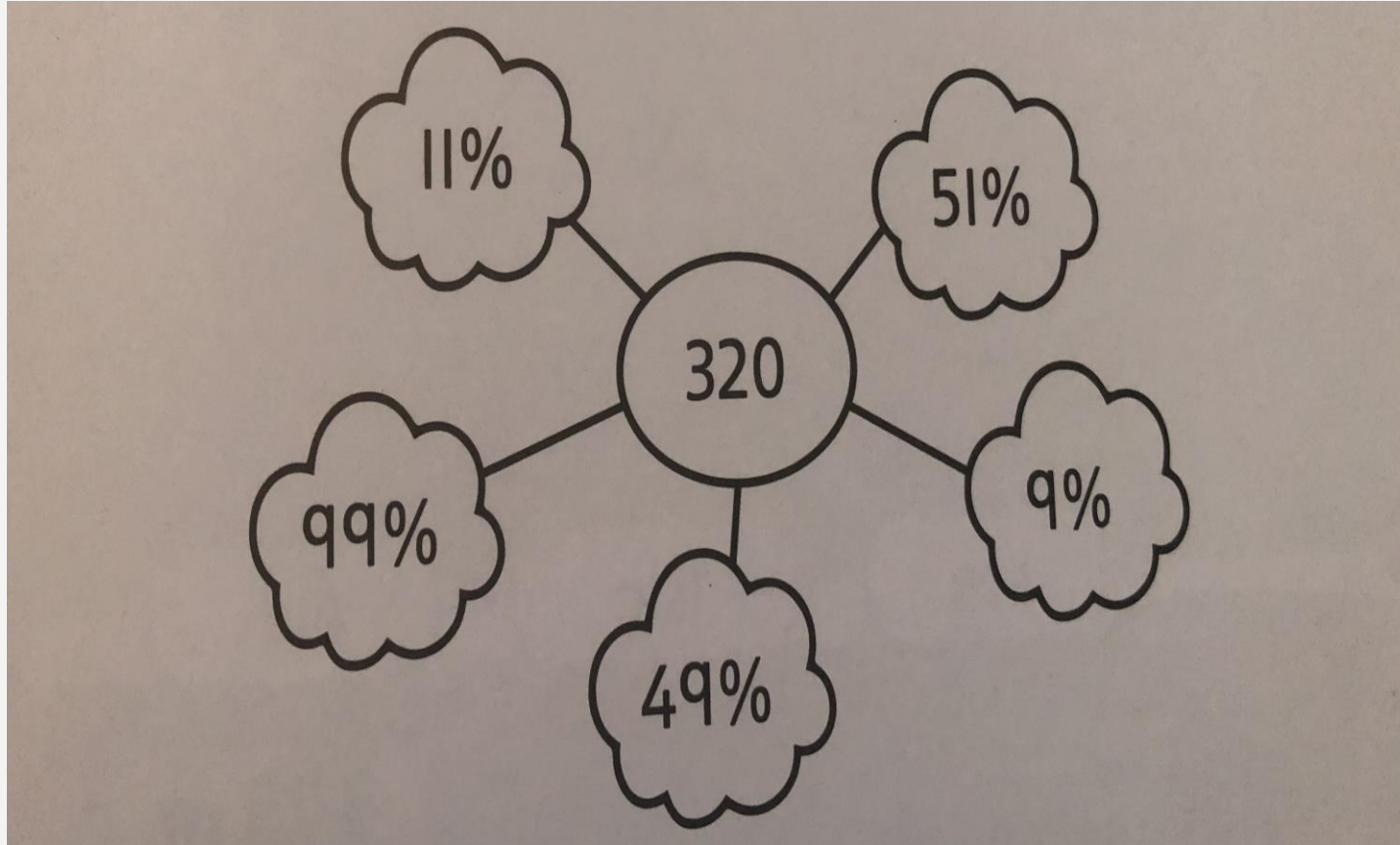
Intelligent Practice



Intelligent Practice



GUIDED PRACTICE – YOUR TURN



1) Create a percentage web for 320.

2) How can you use this percentage web to find the following percentages of 320?

help

Use percentage web to help you.



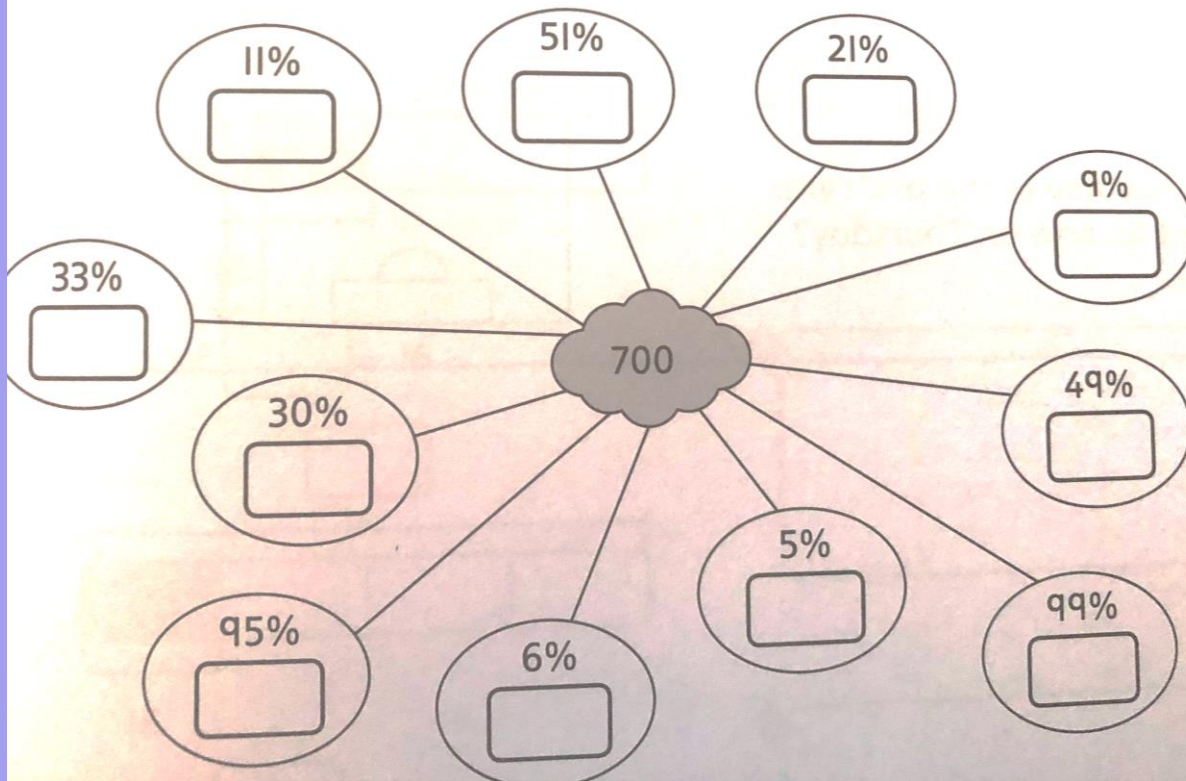
Can you find **EVERY** percentage from 1% up to 99% using combinations from the percentage web? **PROVE IT!!!**

1)

a) Complete these percentages.

$$50\% \text{ of } 700 = \boxed{} \quad 10\% \text{ of } 700 = \boxed{} \quad 1\% \text{ of } 700 = \boxed{}$$

b) Now find these percentages of 700.



DIVE DEEPER 1

Calculate these values.

3)

$$5\% \text{ of } £300 = £ \boxed{}$$

$$15\% \text{ of } 300 \text{ cm} = \boxed{} \text{ cm}$$

$$55\% \text{ of } 300 \text{ kg} = \boxed{} \text{ kg}$$

$$95\% \text{ of } 30 \text{ km} = \boxed{} \text{ km}$$

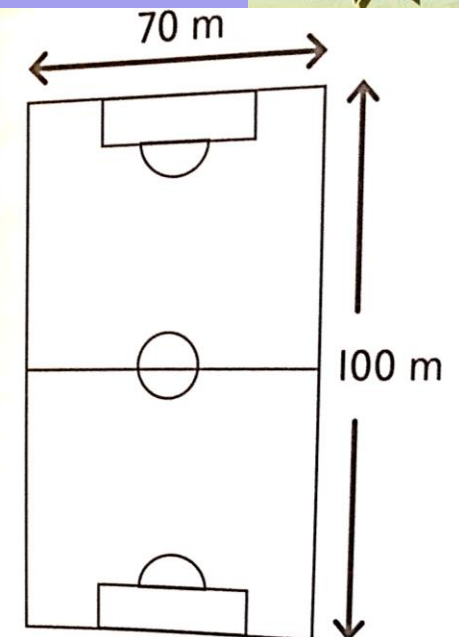


On Monday, the groundskeeper mowed 30% of the football pitch.

On Tuesday, she mowed half of the remaining area.

On Wednesday, she mowed 1,250 square metres.

What area of the pitch was left to mow on Thursday?



2)

32,500 people signed up to run a marathon.

11% dropped out before race day. 29% did not complete the course.

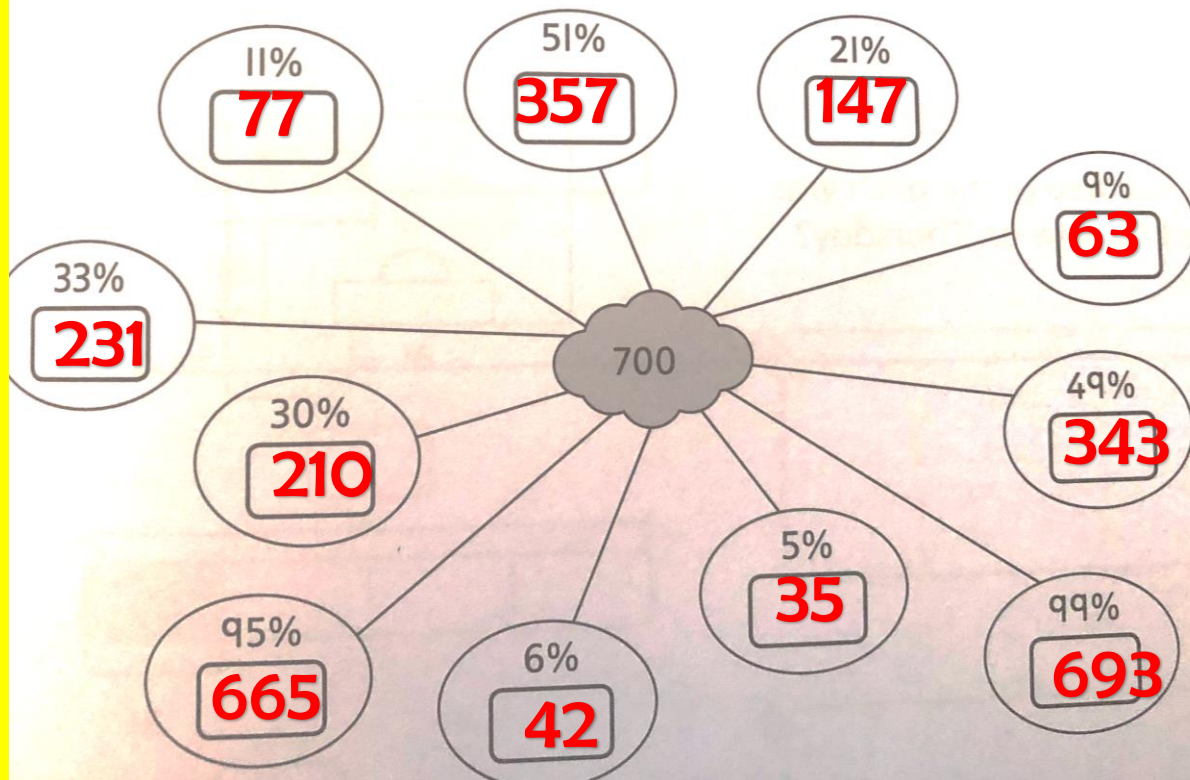
How many people finished the marathon?

1)

a) Complete these percentages.

50% of 700 = **350** 10% of 700 = **70** 1% of 700 = **7**

b) Now find these percentages of 700.



DIVE DEEPER 1



Calculate these values.

3)

5% of £300 = £ **15**

15% of 300 cm = **45** cm

55% of 300 kg = **165** kg

95% of 30 km = **285** km



Area = 70x100 = 7,000m²

30% = 2,100m²

50% of 4,900m² = 2,450m²

2,450 - 1,250 = 1,200m²

2)

11% = 3250+325 = 3575

29% = 9750- 325 = 9425

32,500 - (9425+3575) = 19,500