

Children's Pack Upper KS2



24 Flip Cards

143 - 6 = 23

is 5.

Card 5

Card 1: Rounding

Card 2: Mod means Remainder

Card 3: Think and Compute

Card 4: Code a Maths Conversation

Card 5: Rotate Angles up to 360°

Card 6: Name Angles up to 360°

Card 7: Draw a Triangle of Any Shape

Card 8: Use a Protractor

Card 9: Draw Regular Polygons

Card 10: Area and Perimeter of a Rectangle Card 22: Grow and Rotate Triangles

Card 11: Report Sprite Position

Card 12: Draw a Yellow Submarine

Card 13: The Vanishing Submarine

Card 14: Cat and Mouse Chase

Card 15: A Timed Chase

Card 16: Random List Multiples of 9

Card 17: Fill a List from Input

Card 18: Make and Use a Random List

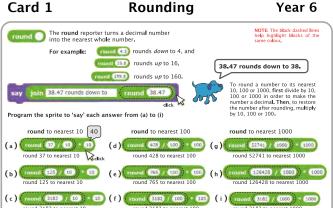
Card 19: Two Lists: Tables Test

Card 20: Draw Pie Charts

Card 21: More Blocks

Card 23: Rotating Shapes

Card 24: Boolean Logic: TRUE or FALSE



Card 2 Mod means Remainder

Example: [143 most 5] reports the remainder of the division of 146 by 6.

 $146 \div 6 = 23$ The remainder is 5.

(3) 147 - (148 mod 5) 2

(4) Now divide 138 by 6.

From 143 subtract 143 mod 6

23 exactly

143 mod 6 is 5. Then 143 minus 143 mod 6 is the number less that 143 which divides by 6 with no remainder. That number is 138. How many times does 6 divide into 138?

143 - (143 mod 6) / 6

From 143 subtract 143 mod 6

The mod block reports the remainder after dividing the first by the second number.

143 m

(2) 23.8333333

Program the sprite to say it all.

 $\mathcal{A}_{\mathsf{loil}_2}$

6 does **not** divide evenly into 143 **mod** reports the remainder is 5.

6 does **not** divide evenly into 143.

Year 6

(5) Answer this!

After 138, what is the next

number that is exactl divisible by 6?

Give a reason for your

(6) Answer this!

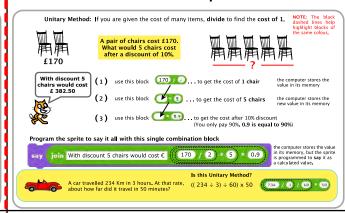
What's the highest value 143 mod 6 can report?

Explain your answer.

Card 3

Think and Compute

Year 6



Card 4 Code a Maths Conversation

Year 6

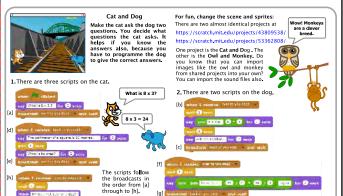
Rotate Angles up to 360°

oin join join 148 + 5 = 1 (148 - (148 mod 6) / 6) The rensimber is (148 m

Year 6

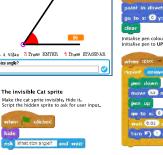
Card 6 Name Angles up to 360°

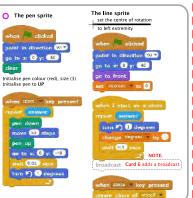
Year 6

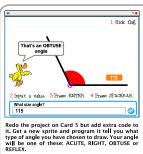




What size angle?







Add a broadcast command to the **line sprite** of Card 5 to send the message 'Have your say Duck' after the angle has been drawn.

See the note on Card 5

