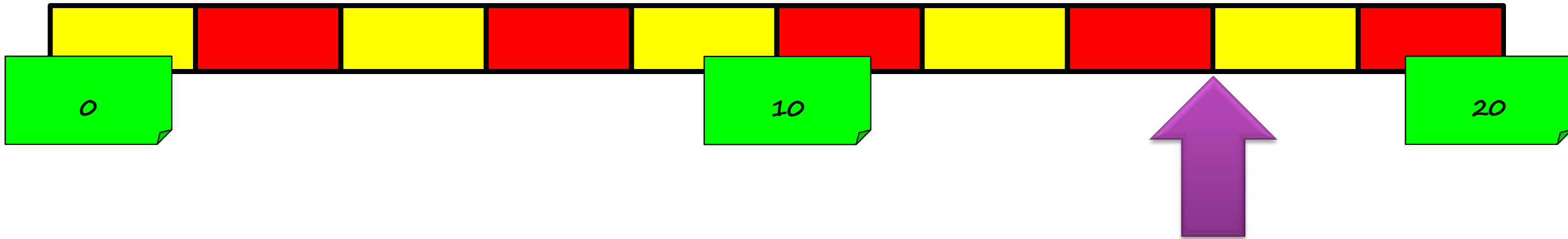


Round 1

Counting

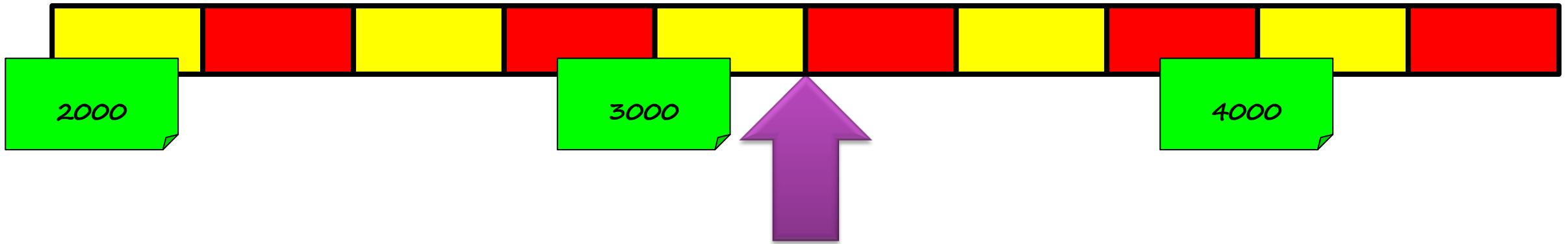


Count Fourways



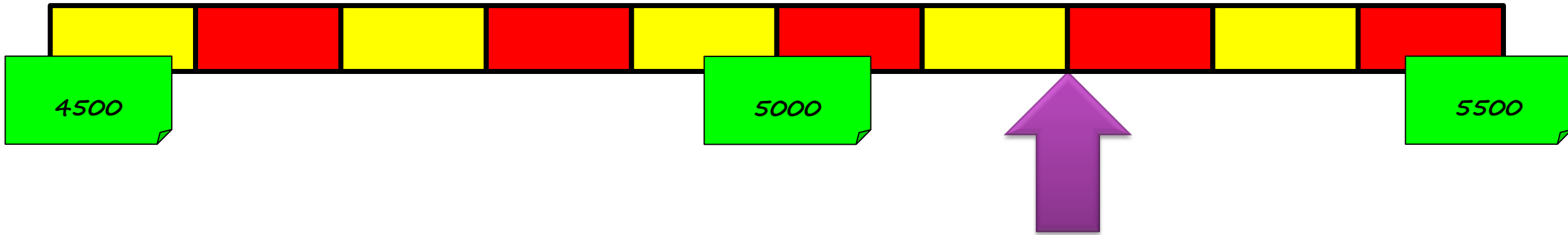
Question 1: **16**

Count Fourways



Question 2: **3250**

Count Fourways



Question 3: **5200**



Ordering Numbers



$$0.63 \times 10$$

Half of 12.3

$$6 + 0.245$$

$$625 \div 100$$

Place these numbers in order

6.15, 6.245, 6.25, 6.3

Question 4



Ordering Numbers



Half of 300

$68 + 70$

16×10

$1450 \div 10$

Place these numbers in order

138, 145, 150, 160

Question 5



Ordering Numbers



3.8 kg

1kg + 3kg

3988 kg

4001 g

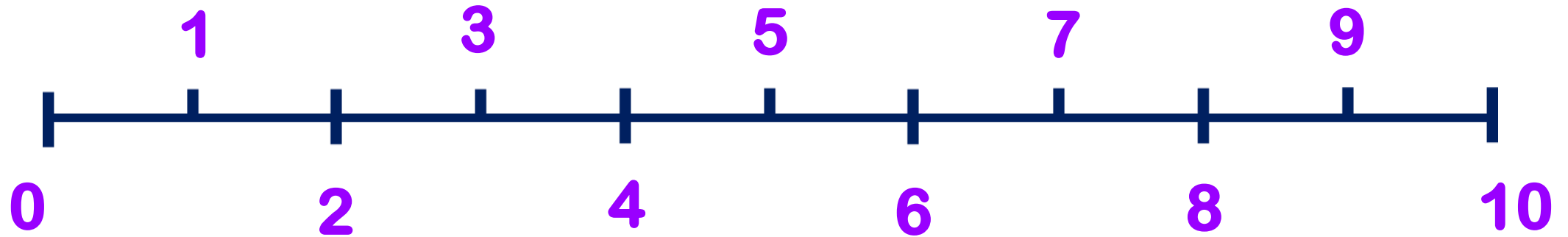
Place these numbers in order

3.8kg, 4kg, 4001g, 3988kg

Question 6



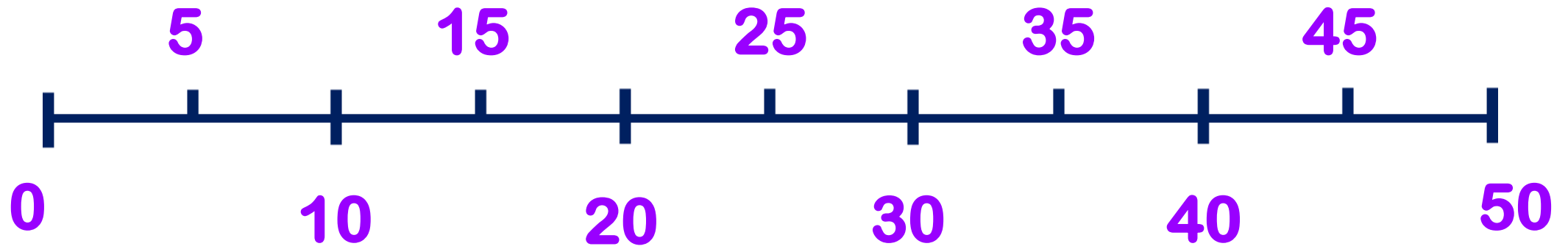
Numberlines



Complete the numberline

Question 7

Numberlines

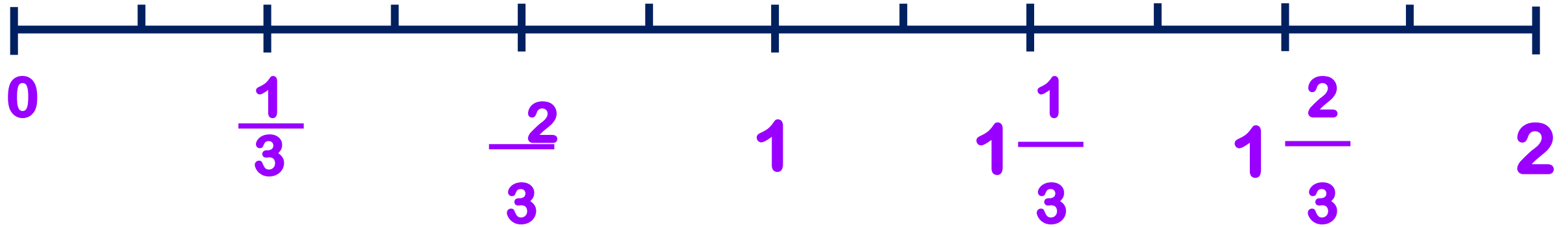


Complete the numberline

Question 8



Counting Fractions

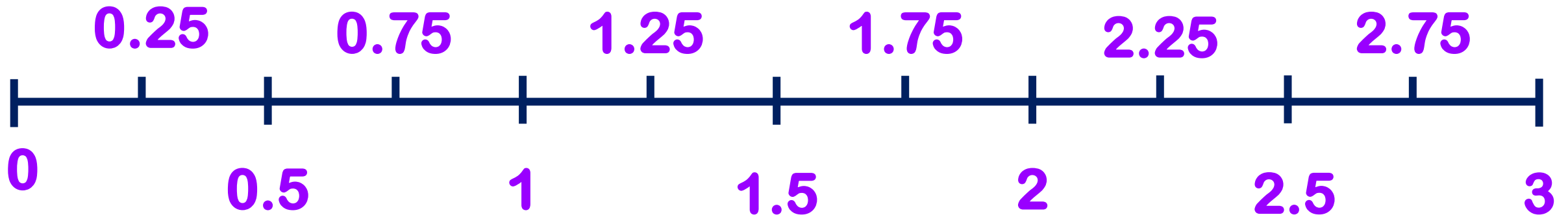


Complete the fractions numberline

Question 9



Counting Decimals

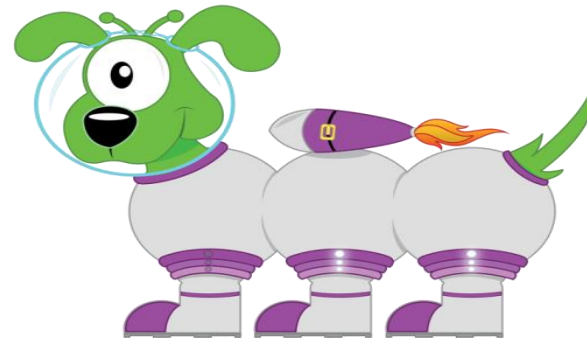


Complete the decimal numberline

Question 10

Round 2

Learn-its



$7 + 8 = 15$	$7 \times 7 = 49$	$7 + 9 = 16$	$4 \times 4 = 16$	$2 + 4 = 6$	$5 + 5 = 10$	$2 \times 5 = 10$	$8 + 6 = 14$
$7 + 7 = 14$	$3 + 6 = 9$	$6 + 9 = 15$	$3 \times 5 = 15$	$5 + 7 = 12$	$2 \times 4 = 8$	$7 \times 3 = 21$	$2 + 7 = 9$
$2 + 2 = 4$	$5 \times 9 = 45$	$8 \times 2 = 16$	$5 + 6 = 11$	$9 \times 9 = 81$	$5 \times 5 = 25$	$2 + 6 = 8$	$2 + 8 = 10$
$9 \times 4 = 36$	$4 + 6 = 10$	$5 \times 6 = 30$	$3 + 4 = 7$	$5 + 9 = 14$	$4 \times 5 = 20$	$3 \times 4 = 12$	$6 \times 7 = 42$
$6 + 7 = 13$	$9 \times 3 = 27$	$4 + 7 = 11$	$4 \times 8 = 32$	$8 \times 6 = 48$	$2 \times 2 = 4$	$3 \times 6 = 18$	$3 + 8 = 11$
$4 + 9 = 13$	$6 \times 6 = 36$	$2 \times 3 = 6$	$8 \times 7 = 56$	$2 + 5 = 7$	$6 \times 2 = 12$	$5 \times 8 = 40$	$8 \times 8 = 64$
$2 \times 9 = 18$	$3 + 3 = 6$	$6 + 6 = 12$	$8 + 8 = 16$	$3 + 7 = 10$	$5 \times 7 = 35$	$8 + 9 = 17$	$2 + 3 = 5$
$2 + 9 = 11$	$4 + 5 = 9$	$3 + 9 = 12$	$3 + 5 = 8$	$5 + 8 = 13$	$4 + 4 = 8$	$4 \times 6 = 24$	$4 + 8 = 12$
$9 + 9 = 18$	$4 \times 7 = 28$	$6 \times 9 = 54$	$3 \times 3 = 9$	$8 \times 9 = 72$	$3 \times 8 = 24$	$2 \times 7 = 14$	$7 \times 9 = 63$

Round 3
It's Nothing New

Coin Multiplication

X 32	
1	32
2	64
5	160
10	320
20	640
50	1600
100	3200

Question 1

$$12 \times 46 = 552$$



Question 2

$$23 \times 77 = 1771$$



Question 3

$$70 \times 83 = 5810$$



Question 4

Pim drove 42 laps of 69km.

**Write out your full Coin Card.
Find the 2 coin pieces.**

**How much distance does he
cover? **2898 km****

Question 5

A bag has 23 sweets.

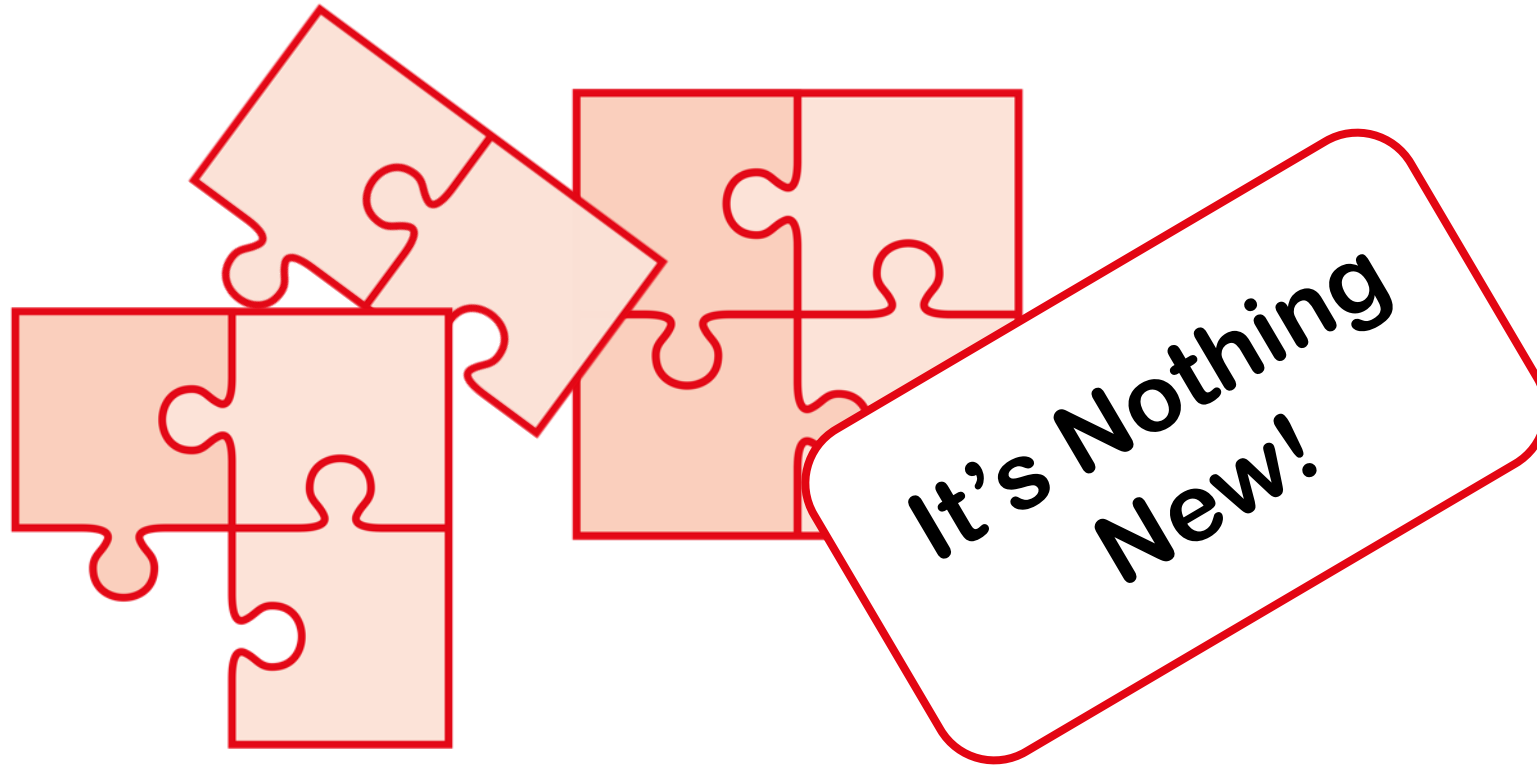
There are 25 bags.

Write out your full Coin Card.

Find the 2 coin pieces.

**How many sweets are there in
total? **575 sweets****

Jigsaw Numbers



Question 6

How many more
do we need to
make 100?

28

72



Question 7

How many more
do we need to
make 100?

69

31



Question 8

How many more
do we need to
make
1000?

635

365



Question 9

How many more
do we need to
make
1000?

183

817



Question 10

How many more
do we need to
make
1000?

772

228



Calculations

Round 4

Question 1

$$7 \times 52 = 364$$

Question 2

$$300 \times 5000 = 1,500,000$$

Question 3

$$83 \times 49 = 4,067$$

Question 4

$$9 \times 9.98 = 89.92$$

Question 5

$$25 \times 543 = 13,575$$

Question 6

$$72 \div 9 = 8$$

Question 7

**There are 5 people at a party.
Pim has 72 sweets to share.**

**How many sweets does each
person get? How many
sweets are left over?**

14 sweets 2 left over

Question 8

Pim has £37. He shares the money between 3 people.

How much does each person get?

How much money is left?

£12 with £1 left over

Question 9

$$82\text{cm} \div 9 = 9 \text{ r } 1$$



Question 10

**Pim has 99kg of sand. He
makes 9 piles.**

**How much does each pile
weigh?**

11 kg

Round 5

SAFE Maths

Shape, Amounts,
Fractions, Explaining Data

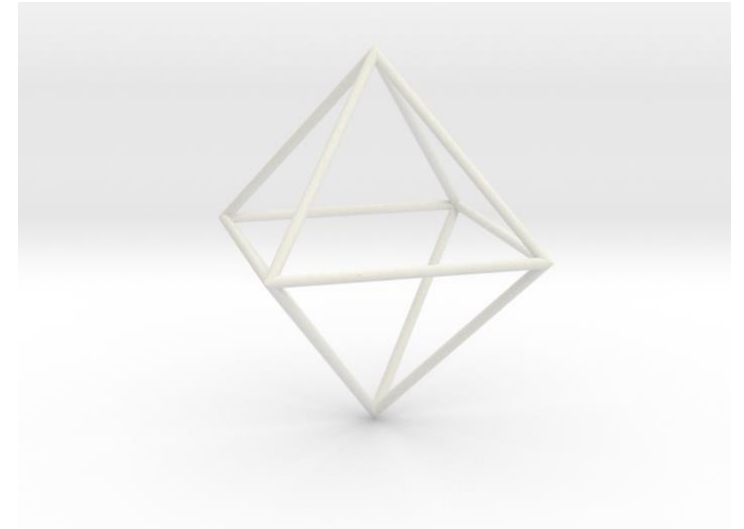
Shape

Art Straw Challenge

Question 1

Work as a team to create an octahedron using art straws.

You can use glue, sticky tape, blu tac or paper clips to connect them or squeeze the ends and insert.



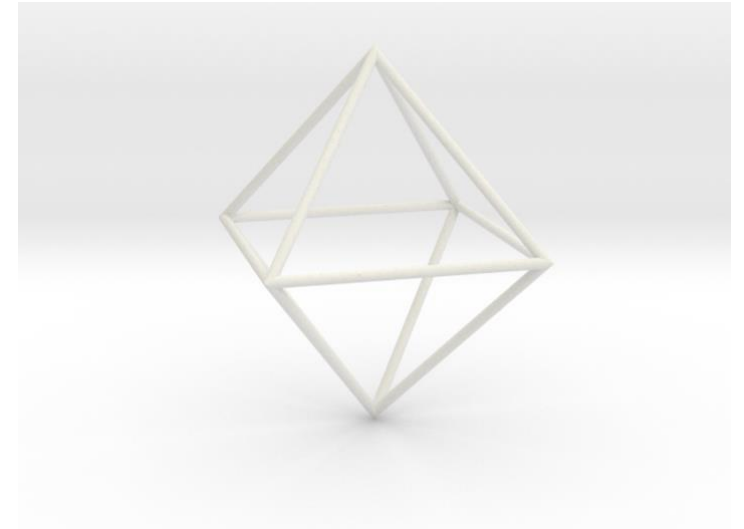
Shape

Art Straw Challenge

Question 1

5 minutes

1 person from each team has to be designated as the 'resource manager' – only that person can be at the resource table at any time.



Amounts

Estimate

2. Estimate the volume of liquid that can be held by the cup in millilitres (ml). **272ml**
3. Estimate the weight of flour in the bag in grams (g). **36g**
4. Estimate the length of the projector screen in metres and centimetres (m/cm/mm).
3m 15 cm 7 mm

Question 5

$$\frac{5}{6} + \boxed{\frac{1}{6}} = 1$$

Question 6

$$\frac{3}{8} + \boxed{\frac{5}{8}} = 1$$

Question 7

$$2\frac{3}{5} + \boxed{\frac{2}{5}} = 3$$

I buy 3 cakes for £1.86 each.

How much have I spent on cakes altogether?

£5.58

Question 9

I bought one bike for £139.98 and a scooter for £19.78.

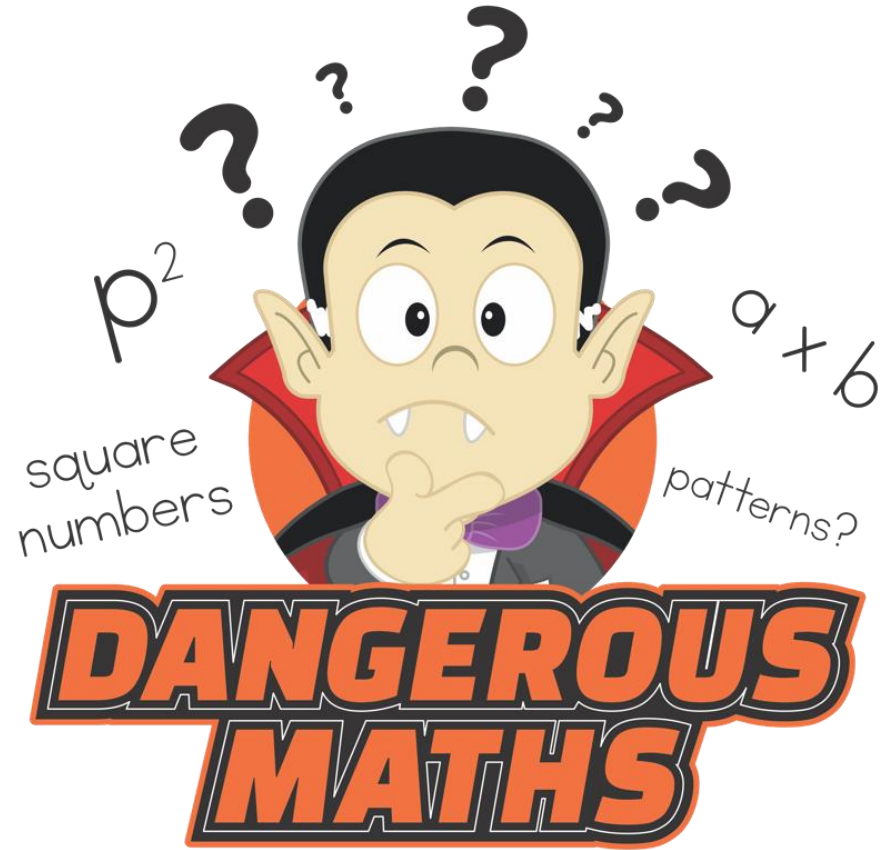
How much have I spent altogether?

£159.76

Convert to 24 hour time

5.37 p.m.

17.37 or 1737



p^2

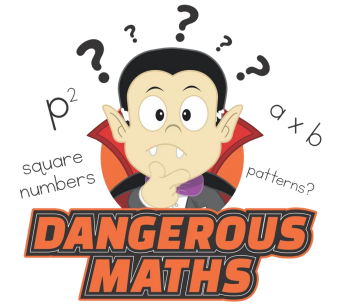
square numbers

$a \times b$

patterns?

DANGEROUS MATHS

Can you prove it?



Enquiry and Evidence to Others

Develops their own line of enquiry with some mathematical evidence.

Presents own investigation in a clear and organised way.

Systematic Recording

Often records findings in a systematic manner with good efficiency.

Strategies

Understands 'trial and improvement' and uses it to solve puzzles.

Question 1

Complete the sequence:

1, 4, 9, 16, 25, 36

Can you prove it? (3 extra marks!)

Question 2

$$18 \div 3 = 12 \div 2$$

What does the ▼ represent in this statement?

Can you prove it? (2 extra marks)

Question 3

$$3^2 \times 3 = 27$$

What does the ● represent in this statement?

Can you prove it? (2 extra marks)