MATHOPOLY

AGES 8+ · 2-8

HOW TO WIN

To be the only player left in the game after everyone has ran out of money.

You do this by answering multiplication questions to buy mathematical terms.

Collect the same colour to increase the money to bankrupt the other players.

WHAT THE GAME LOOKS LIKE

Banker:
Choose one player to the be the Banker who will look after the money.
They must keep their own money and properties separate from the Bank's.

Shuffle:
Shuffle the chance and community chest cards and then place them face down on their spaces.

Start:
Put everyone's counters on the 'Start' square.

Money:
Deal out the set amount of money to each player.
Look on the other page to see how much each player gets.

ON YOUR TURN

1. Roll both dice.
2. Move your counter clockwise around the board the number of spaces shown on the dice. Follow the way of the red arrow located on 'Start'.
3. You will need to do what is says depending on which space you landed on.
4. 4. If you pass the 'Start' square, collect £100 from the bank.
5. If you roll a double, roll the dice again. If you roll three doubles in a row, you go straight to jail and miss a turn.
6. When you finish your go, pass the dice to the person on the left.

NOT YOUR TURN

1. Collect Rent:
If another player lands on your mathematical term, ask them for money which is shown on the card.

2. Do a Deal:
You can ask to do a deal with another player. They might have a property you want so you could trade, buy it off them or sell them one of your cards.
Think carefully!

MONEY FOR EACH PLAYERS

Mathopoly £1 — 5 x

Mathopoly £2 — 5 x

Mathopoly £5 — 3 x

Mathopoly £10 — 2 x

Mathopoly £20 — 1 x

Mathopoly £50 — 2 x

Mathopoly £100 — 2 x

WHAT EACH SPACE MEANS

<u>Colour</u>: Answer the times table question correctly to buy. Give the money to banker who will give you the card.

<u>1 Quarter</u>: Try to collect all 4 quarters as if you do, anyone who lands on it, owes you £150!

<u>Question</u>: If you land on the question mark, take a card from the pile do what it says. *This is non related to mathematics.*

<u>Challenge</u>: If you land on challenge, take a card from the pile and solve the problem. You get £5 for every card answered correctly. *This is related to mathematics.*

<u>Jail</u>: If you land on either jail square, you miss a turn.

<u>Collect</u>: If you land on the collect £10 square, choose any player (maybe the one with the most money) and they have to give you £10.

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £1

Mathopoly £2	Mathopoly £2	Mathopoly £2	Mathopoly £2
Mathopoly £2	Mathopoly £2	Mathopoly £2	Mathopoly £2
Mathopoly £2	Mathopoly £2	Mathopoly £2	Mathopoly £2
Mathopoly £2	Mathopoly £2	Mathopoly £2	Mathopoly £2
Mathopoly £2	Mathopoly £2	Mathopoly £2	Mathopoly £2

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5
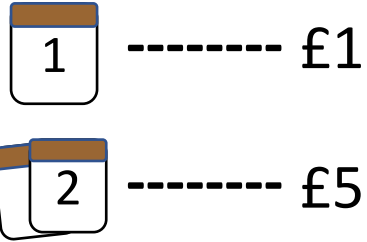
Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly £5

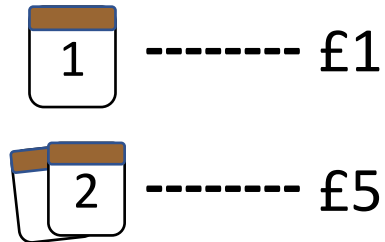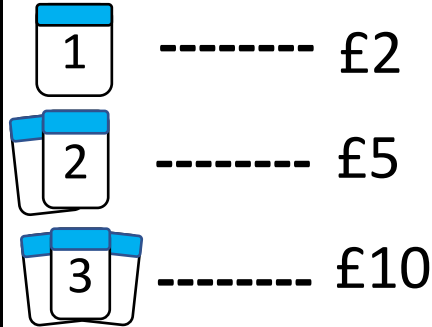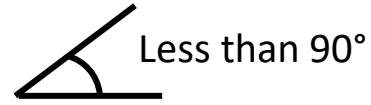Mathopoly £5

Mathopoly £5

Mathopoly £5

Mathopoly	Mathopoly	Mathopoly	Mathopoly
£10	£10	£10	£10
Mathopoly	Mathopoly	Mathopoly	Mathopoly
£10	£10	£10	£10
Mathopoly	Mathopoly	Mathopoly	Mathopoly
£10	£10	£10	£10
Mathopoly	Mathopoly	Mathopoly	Mathopoly
£10	£10	£10	£10
Mathopoly	Mathopoly	Mathopoly	Mathopoly
£10	£10	£10	£10

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £20

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £50

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Mathopoly £100

Addition	Subtract	Acute	Obtuse
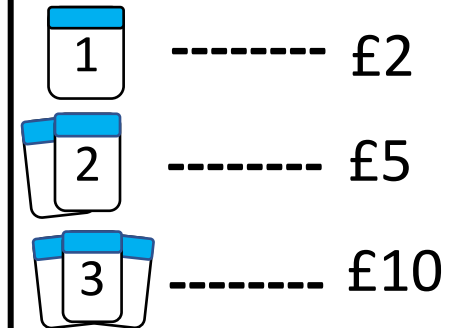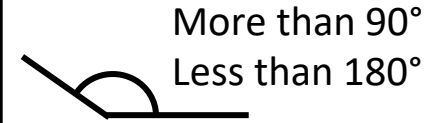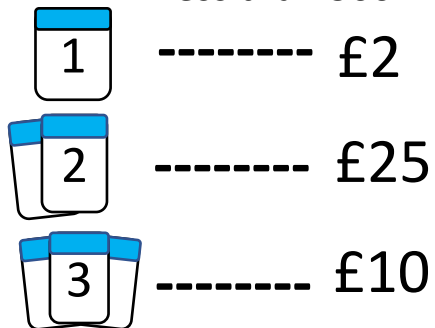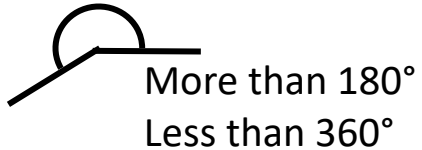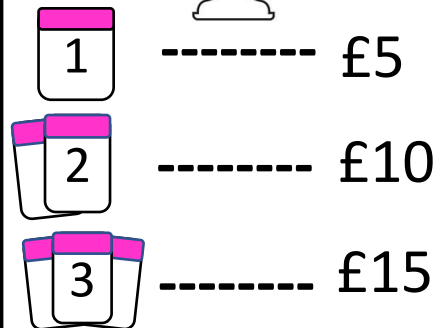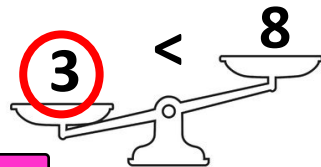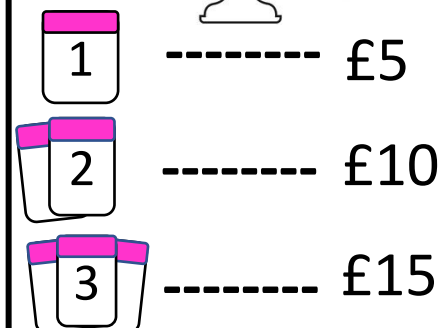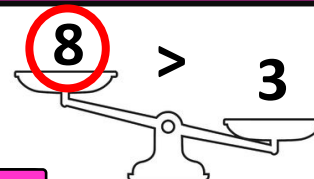
Addition

➕

1 ------- £1

2 ------- £5

Subtract

➖

1 ------- £1

2 ------- £5

Acute

∠ Less than 90°

1 ------- £2

2 ------- £5

3 ------- £10

Obtuse

More than 90°
Less than 180°

1 ------- £2

2 ------- £5

3 ------- £10

Reflex

More than 180°
Less than 360°

1 ------- £2

2 ------- £25

3 ------- £10

Less

3 < **8**

1 ------- £5

2 ------- £10

3 ------- £15

More

8 > **3**

1 ------- £5

2 ------- £10

3 ------- £15

Equals

5 = **5**

1 ------- £5

2 ------- £10

3 ------- £15
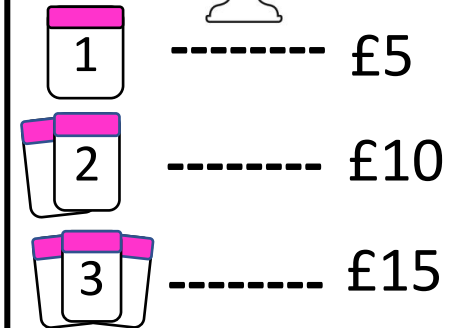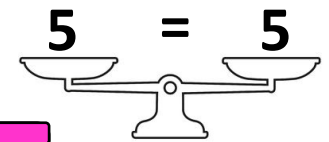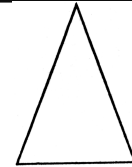
mm	cm	m	Isosceles
1000mm	**100cm**	**1m**	
1 ------- £10	1 ------- £10	1 ------- £10	1 ------- £15
2 ------- £15	2 ------- £15	2 ------- £15	2 ------- £20
3 ------- £20	3 ------- £20	3 ------- £20	3 ------- £25
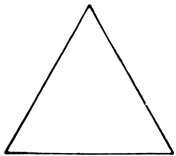
Equilateral	Scalene	Ones	Tens
		Hundreds Tens **Ones**	Hundreds **Tens** Ones
		9 2 **8**	9 **2** 8
1 ------- £15	1 ------- £15	1 ------- £20	1 ------- £20
2 ------- £20	2 ------- £20	2 ------- £25	2 ------- £25
3 ------- £25	3 ------- £25	3 ------- £30	3 ------- £30

Hundreds		
Hundreds	**Tens**	**Ones**
9	2	8

Hundreds	L	X	V

Hundreds
- 1 -------- £20
- 2 -------- £25
- 3 -------- £30

L — Roman Numerals (L)
- 1 -------- £25
- 2 -------- £30
- 3 -------- £40

X — Roman Numerals (X)
- 1 -------- £25
- 2 -------- £30
- 3 -------- £40

V — Roman Numerals (V)
- 1 -------- £25
- 2 -------- £30
- 3 -------- £40

Multiply (X)
- 1 -------- £30
- 2 -------- £50

Divide (÷)
- 1 -------- £30
- 2 -------- £50

1 Quarter

If you have 1 ──────── £10

If you have 2 ──────── £20

If you have 3 ──────── £30

If you have 4 ──────── £40

1 Quarter

If you have 1 ──────── £10

If you have 2 ──────── £20

If you have 3 ──────── £30

If you have 4 ──────── £40

1 Quarter

If you have 1 ──────── £10

If you have 2 ──────── £20

If you have 3 ──────── £30

If you have 4 ──────── £40

1 Quarter

If you have 1 ──────── £10

If you have 2 ──────── £20

If you have 3 ──────── £30

If you have 4 ──────── £40

?

Give £20 to the bank.

Uh oh – you lost £20 on your way to school.

?

?

Give £5 to the bank.

Uh oh – you lost £5 on your way to school.

?

?

If you do, you get £5 from the bank.

Say your name in a funny voice.

?

?

If you do, you get £5 from the bank.

Do 5 star jumps.

?

?

Give £10 to the bank.

The teacher told you off.

?

?

If you do, you get £10 form the bank.

Sing Twinkle Twinkl Little Star the whole way through.

?

?

If you do, collect £2 from the bank.

Say the alphabet from A - Z.

?

?

If you do this, collect £10 from the bank.

Stay standing up until your next go.

?

You had the best fancy dress costume.

Every player gives you £2.

You won the silliest face competition.

The bank gives you £5.

You didn't eat all of your school lunch.

Give £15 to the bank.

You scored 10/10 on your times tables test.

The bank gives you £10.

It is your unlucky day.

You must give each player £2.

It is your unlucky day.

You must give each player £2.

Keep this card until you go into jail.

Use this card to not miss a go.

Keep this card until you go into jail.

Use this card to not miss a go.

It's the school's Christmas play but you forgot your lines.

Give the bank £20.

You participated in Sports Day.

Collect £10 from the bank.

It is your lucky day.

Each player must give you £2.

It is your lucky day.

Each player must give you £2.

Solve It:

10 x 3 =
4 x 3 =
7 x 3 =
12 x 3 =

CHALLENGE

Solve It:

2 x 12 =
4 x 12 =
8 x 12 =
11 x 12 -

CHALLENGE

Solve It:

5 x 9 =
7 x 9 =
2 x 9 =
12 x 9 =

CHALLENGE

Solve It:

Sally went to the shop and bought 5 apples, 6 bananas and 9 oranges. How much fruit does she have altogether?

CHALLENGE

Solve It:

Barney has 45 pencils. 23 are long and the rest are short.

How many pencils are short?

Solve It:

What is the next number in the sequence...

0, 2, 5, 9, 14, ?

Solve It:

What is the next number in the sequence...

3, 7, 11, 15, ?

Solve It:

Which angle is this?

Solve It:

$64 \div 8 =$

$40 \div 8 =$

$96 \div 8 =$

$88 \div 8 =$

Solve It:

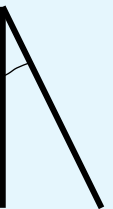$42 \div 7 =$

$35 \div 7 =$

$84 \div 7 =$

$63 \div 7 =$

Solve It:

Lola has 12 toy cars. Her mum buys her 18 more.

How many cars does Lola have now?

Solve It:

The are 30 birds in a tree. 16 more join but 6 fly away.

How many are left?

Solve It:

In my purse, I have:

1 x £5   2 x £10

1 x 50p

How much is
that altogether?

Solve It:
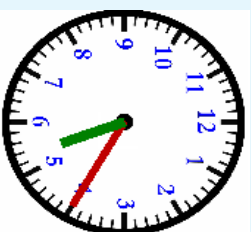
What is 1000 less than
these numbers:

3578   5232
7790   1974

Solve It:

What is 1000 more than
these numbers:

2468   5789
3333   889

Solve It:

Round these numbers
to the nearest 100.

528   810
1290   98

Solve It:

What is the time?

Solve It:

What is the time?

Solve It:

What is the value of each digit:

8142

8 =   1 =
4 =   2 =

Solve It:

What is the value of each digit:

2479

2 =   4 =
7 =   9 =