
Mathematics
Task Centre


# Welcome Teams


# Welcome Teams

## *We are here to:*

- *have fun*


# Welcome Teams

*We are here to:*

- *have fun*
- *work together*

# Welcome Teams

We are here to:

- have fun
- work together
- chat and…


# Welcome Teams

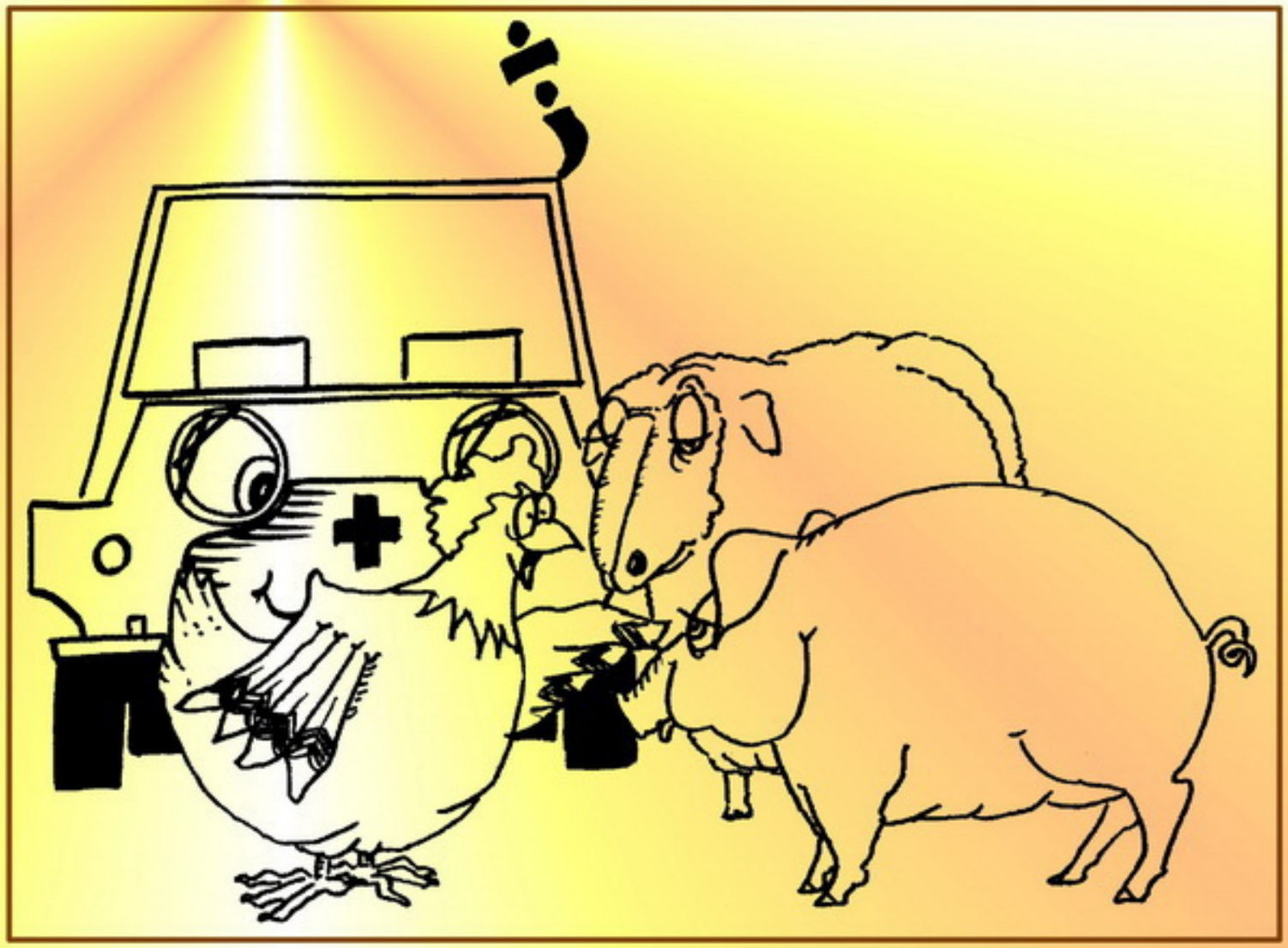
*We are here to:*

- *have fun*
- *work together*
- *chat and…*
- *be challenged*


# Opening Ceremony

# Opening Ceremony

A hundred dollars a farmer paid
For a hundred animals 'through the trade'.
Sheep were ten dollars, pigs were two,
Hens were fifty cents. What did she do?




# Opening Ceremony Advice

## We suggest you:

- read & understand


# Opening Ceremony Advice

## We suggest you:

- read & understand
- plan a strategy to start the problem

# Opening Ceremony Advice

We suggest you:

- read & understand
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- carry out your plan


# Opening Ceremony Advice

## We suggest you:

- read & understand
- plan a strategy to start the problem
- carry out your plan
- check the result

# Opening Ceremony Advice

We suggest you:

- read & understand
- plan a strategy to start the problem
- carry out your plan
- check the result

Your time starts...


# Opening Ceremony Advice

We suggest you:

- read & understand
- plan a strategy to start the problem
- carry out your plan
- check the result

Your time starts...now

# Opening Ceremony

A hundred dollars a farmer paid
For a hundred animals 'through the trade'.
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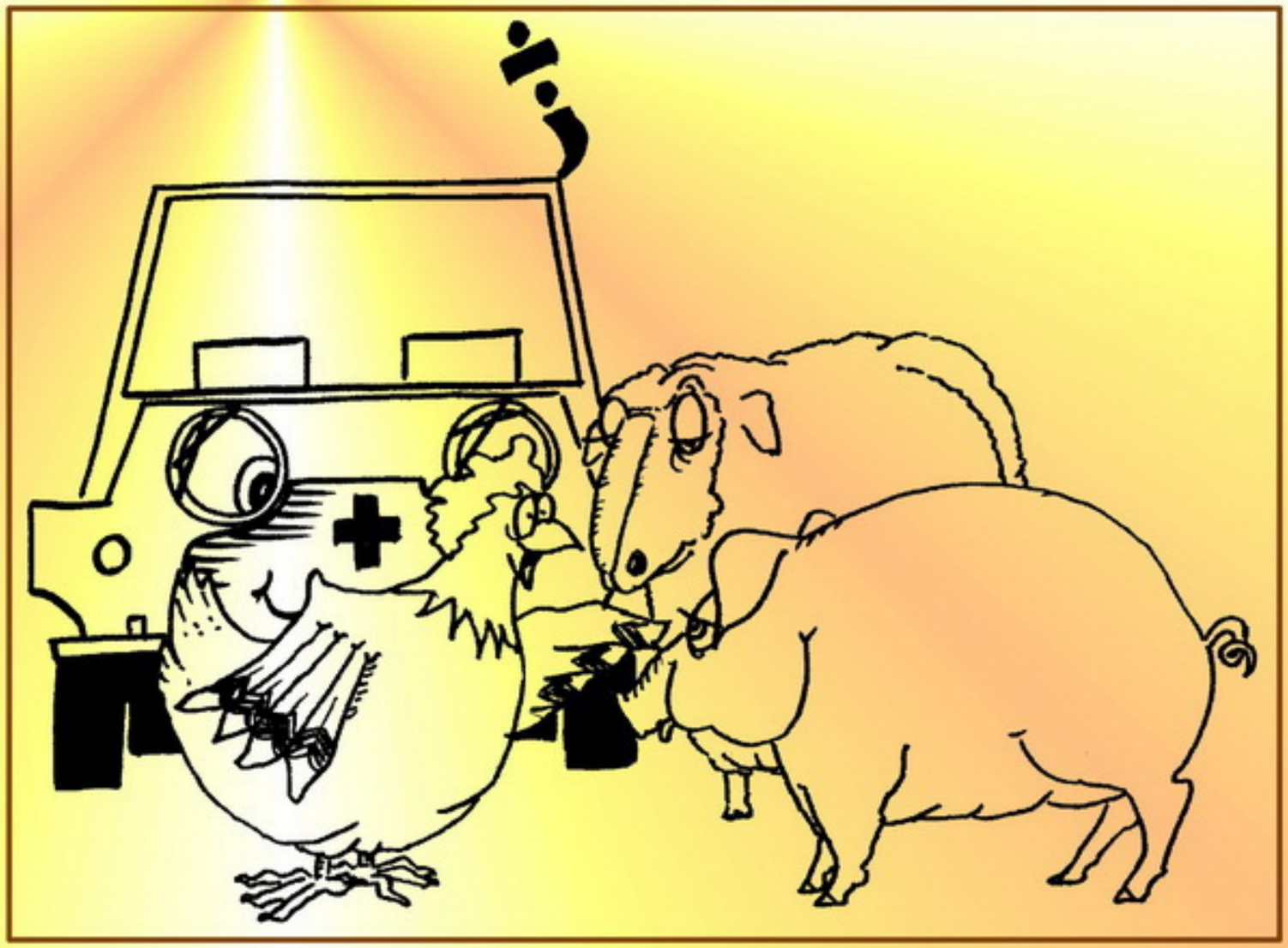


# Events


# Events

Solve the Opening Ceremony problem (20 points)


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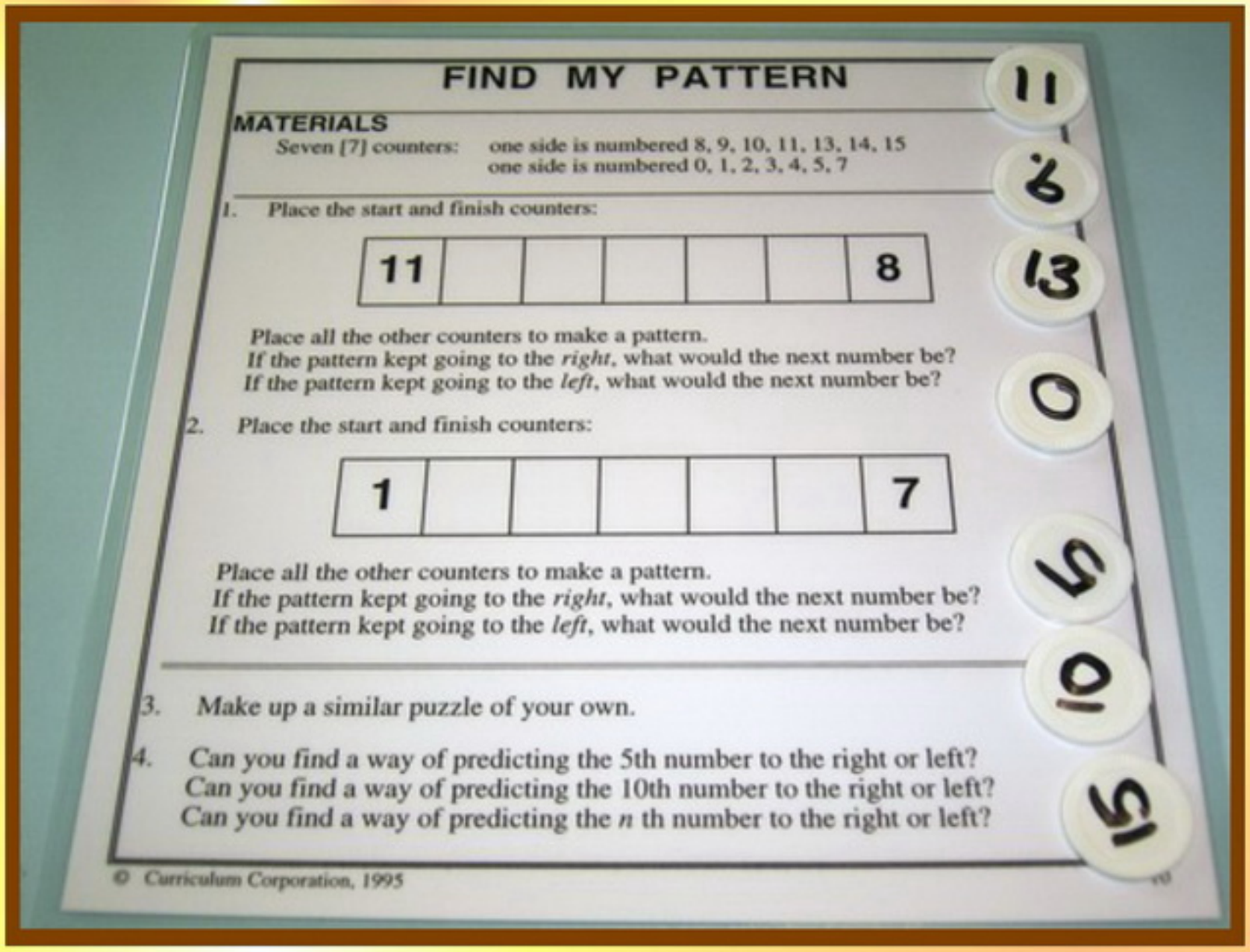
Solve the Opening Ceremony problem (20 points)

or try any puzzles and score points as on your sheet.


FIND MY PATTERN

MATERIALS
Seven [7] counters: one side is numbered 8, 9, 10, 11, 13, 14, 15
one side is numbered 0, 1, 2, 3, 4, 5, 7

1. Place the start and finish counters:

| 11 | | | | | | 8 |
|---|---|---|---|---|---|---|

Place all the other counters to make a pattern.
If the pattern kept going to the *right*, what would the next number be?
If the pattern kept going to the *left*, what would the next number be?

2. Place the start and finish counters:

| 1 | | | | | | 7 |
|---|---|---|---|---|---|---|

Place all the other counters to make a pattern.
If the pattern kept going to the *right*, what would the next number be?
If the pattern kept going to the *left*, what would the next number be?

3. Make up a similar puzzle of your own.

4. Can you find a way of predicting the 5th number to the right or left?
Can you find a way of predicting the 10th number to the right or left?
Can you find a way of predicting the *n* th number to the right or left?

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# Events

## Your responsibilities:

- max 2 tasks/team
- count materials in and out of the bag
- put tasks back where they were
- move calmly


# Events … Advice from Mathematicians


# Events … Advice from Mathematicians

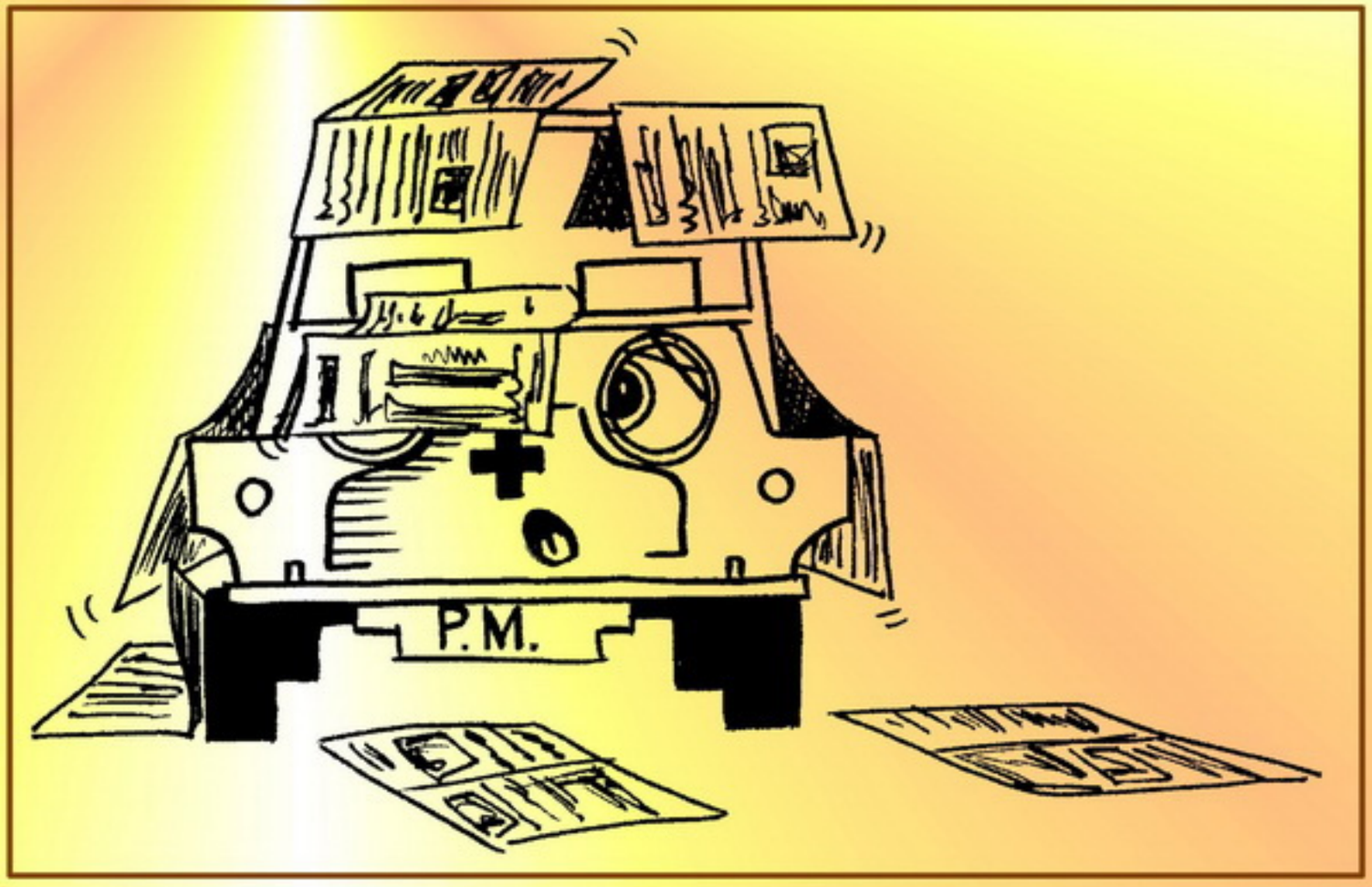
- play with the problem
- collect & organise data
- discuss, make notes & diagrams
- seek & see patterns
- make & test hypotheses
- look in your strategy toolbox
- look in your skill toolbox
- check your work then look for more to learn

See sheet for strategy toolbox


# Closing Ceremony


# Closing Ceremony

*If the sheets from all newspapers*
*printed today*
*Were laid end to end to make a pathway,*
*Which started from here,*
*Crossed land and/or sea,*
*Where would the end of it turn out to be?*



# OLYMPIAD

# AWARDS

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Task Centre