



Lesson 3 Counting on You

You will need:

- Interactive Storybook.
- **RESOURCE 3.1**
Pennies Calculation Activity Sheet - per group.
- **RESOURCE 3.2**
String and/or Penny Lines cut out into strips x 30 sheets (each is 1 metre of pennies).
- **RESOURCE 3.3**
Penny Line Calculation Cards cut out in sets as required.

Lesson Outcomes

Children work as a class to identify coins and undertake some simple calculations based on a 'line of pennies' fundraising event. They will set goals for fundraising.

The Activity

- Read the Interactive Storybook as a class.
- Using string make a line on the floor (classroom/playground/hall etc.) showing how long a line of pennies they would like to collect.
- Measure the string with a metre rule / penny line or tape measure.
- Calculate how many pennies they will need to collect to make the line.

Extend: Numeracy

Children work in groups, using the Pennies Calculation Activity Sheet and the Penny Lines to assist them in working out the number of pennies.

- Use the Penny Line Calculation Cards, setting them out and building them into a variety of sums, writing the answers to the blank answer cards.
- Explain that you will be doing a real line of pennies and ask children to calculate how many pennies and how long a line they could make if each child contributed:
- One penny (class number x 1 x 2cm)
- Two pennies (class number x 2 x 2cm)
- Three pennies (class number x 3 x 2cm)
- Revisit the original line (string) and calculate how many pennies each child would need to collect to complete the line (total line length divided by number children in class = number pennies they would need to contribute each).
- Review the target line and decide on a realistic goal of how many pennies they would like to aim to collect for their charity event and how long the target line would be. They may wish to put the final goal on their posters (see other lesson in unit).
- Calculate as outlined above using 2 pennies / 10 pennies etc.



HOW LONG IS THE LINE

PUPIL ACTIVITY SHEET

How long is the line?

Each penny measures 2 cm across

This means



5 pennies = 10cm

So

10 pennies = 20 cm

50 pennies = 1 metre

100 pennies = 2 metres

500 pennies = 10 metres

You can use the rows of pennies to help you measure
Try these sums

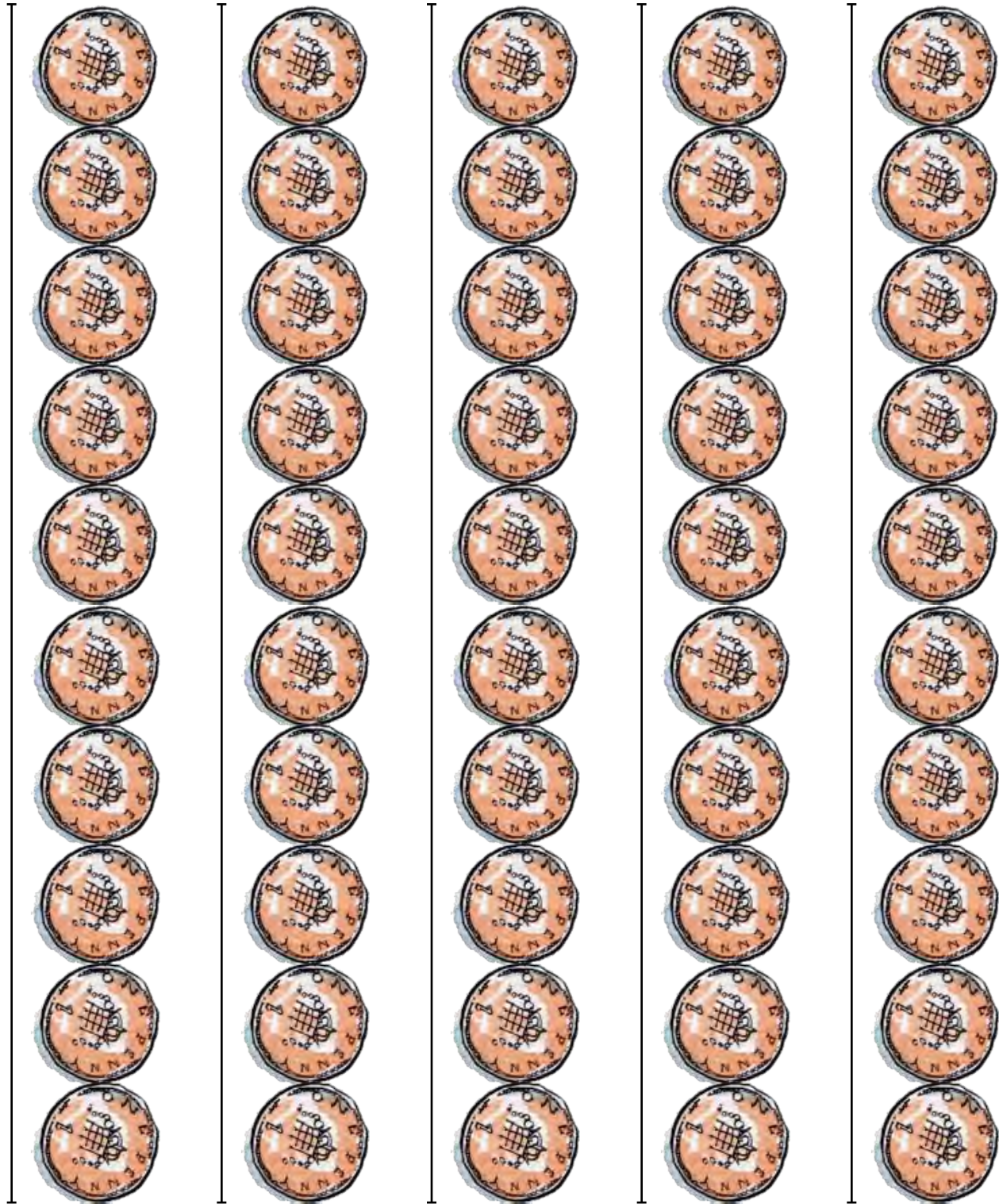
How many pennies in a line measuring 3 metres?

How many metres would 200 pennies make?

PENNY LINES

PUPIL ACTIVITY SHEET

✂ Copy and cut into strips - each strip = 20cm (5 rows = 1 meter)



PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KS1 | CHARITY JOB WEEK

1 Penny
2 cm

1 Penny
2 cm

1 Penny
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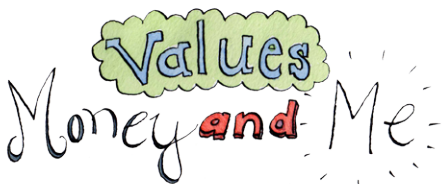
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2 cm

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1 Penny
2 cm



PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KS1 | CHARITY JOB WEEK

5 Pennies
10 cm

5 Pennies
10 cm

5 Pennies
10 cm

5 Pennies
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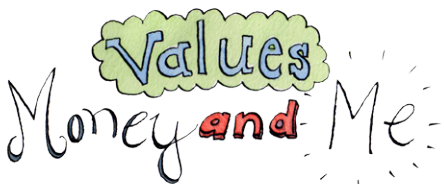
5 Pennies
10 cm

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5 Pennies
10 cm



PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KSI | CHARITY JOB WEEK

10 Pennies
20 cm

10 Pennies
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PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KSI | CHARITY JOB WEEK

50 Pennies
1 metre

50 Pennies
1 metre

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1 metre

PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KSI | CHARITY JOB WEEK

100 Pennies
2 metres

100 Pennies
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PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KSI | CHARITY JOB WEEK

500 Pennies
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PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KS1 | CHARITY JOB WEEK



PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KS1 | CHARITY JOB WEEK

Answer

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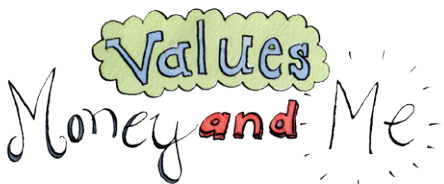
Answer

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Answer



PENNY LINE CALCULATION CARDS

PUPIL ACTIVITY SHEET

KS1 | CHARITY JOB WEEK

