
i) Complete the table of values for $y=3 x+1$.

| $\boldsymbol{x}$ | 0 | 1 | 2 | 3 |
| :--- | :--- | :--- | :--- | :--- |
| $\boldsymbol{y}$ |  |  | 7 |  |

ii) Hence draw the graph of $y=3 x+1$ for the values $0 \leq x \leq 3$.


Measure the size of the angle marked $x$ :
$\square$


The list shows the ages of 7 children. Find the median age.
$9,10,11,13,13,15,17$
$\square$

## Term 4 Maths Activities

| Which is bigger; $10^{2}$ or $5^{3} ?$ | a |
| :---: | :---: |
|  |  |

Look at the function machine below.
Work out the output if the input is 3 :
$3 \rightarrow \times 7 \rightarrow$ ?


Draw a radius on the circle.


The following cards are placed in a box.
$1,2,3,4,5,6,7,8$
A card is selected at random. Find the probability that the number on the card is 5 .
$\square$

## Term 4 Maths Activities



Calculate the value of the letter $a$ in the b equation
$3 a=12$


Calculate the value of the letter $x$ in the equation:
$2 x+1=11$


Reflect the shape in the mirror line.


The frequency table shows the favourite colour of 15 children. Write down the modal colour.

| Colour | Frequency |
| :---: | :---: |
| Red | 3 |
| Blue | 4 |
| Green | 7 |
| Yellow | 1 |

$\square$

A fair spinner has the numbers 1, 2, 3 and 4 on it. The spinner is spun.
Find the probability of the spinner landing on the number 3.


## Term 4 Maths Activities

## Work out, without using a calculator:

i) $-3 \times 4$

ii) $10+-7$

iii) $-20 \div-5$
 subtracts 7 . Her answer is 11.

What was her mystery number?
$\square$

A car travels 60 miles in 3 hours. Work out how far it would travel in 1 hour.
flavoured sweets. There are 4 strawberry and
6 mint sweets.
i. A sweet is chosen at random and replaced. Mark, on the scale, the probability of choosing a strawberry sweet.
ii. A sweet is chosen at random. Mark, on the scale, the probability of choosing a lime sweet.


Accurately measure the sides of the triangle.
$\square$

Find the highest common factor of $10 x$ and $8 y$.



Find $10 \%$ of $£ 25$.
$\square$


Round 735 to the nearest 100.


## Term 4 Maths Activities

In a café, I order a cup of tea and a piece a of cake and it costs $£ 1.10$. The next time I order 2 cups of tea and one piece of cake and it costs $£ 1.70$.
Find the cost of a piece of cake.


List the factors of 12.


Simplify $2 x \times 3 y$
$\square$

Find the perimeter of the shape.

$\square$
Diagram drawn accurately

There are 6 dogs and 12 cats in a pet shop. Write the ratio of dogs to cats, leaving your answer in its simplest form.
$\square$

The table shows the favourite foods of 25 children. Draw a bar chart to represent the data.

| Favourite Food | Frequency |
| :---: | :---: |
| Pizza | 6 |
| Curry | 5 |
| Chinese | 8 |
| Hamburgers | 4 |
| Chips | 2 |



## Term 4 Maths Activities Answers


$2 a+2 b$
i) Complete the table of values for $y=3 x+1$.

| $x$ | 0 | 1 | 2 | 3 |
| :---: | :---: | :---: | :---: | :---: |
| $y$ | 1 | 4 | 7 | 10 |

ii) Hence draw the graph of $y=3 x+1$ for the values $0 \leq x \leq 3$.

Correctly drawn graph


Measure the size of the angle marked $x$ :

```
25}\mp@subsup{}{}{\circ}+/-2\mathrm{ degrees
```



The list shows the ages of 7 children.
Find the median age.
$9,10,11,13,13,15,17$

13

## Term 4 Maths Activities Answers

| Which is bigger; |  |
| :--- | :--- |
| $10^{2}$ or $5^{3} ?$ |  |
| $5^{3}=125$ |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

Look at the function machine below.
Work out the output if the input is 3 :
$3 \rightarrow \times 7 \rightarrow$ ?

21
21


Correctly drawn radius


The following cards are placed in a box.
$1,2,3,4,5,6,7,8$
A card is selected at random. Find the probability that the number on the card is 5 .
$\frac{1}{8}$

## Term 4 Maths Activities Answers

Write the following numbers in order of size, starting with the smallest.
$4,-2,7,-1,0,5$
$-2,-1,0,4,5,7$ $\square$

Calculate the value of the letter $x$ in the equation:
$2 x+1=11$

```
x=5
```

The frequency table shows the favourite colour of 15 children. Write down the modal colour.

| Colour | Frequency |
| :---: | :---: |
| Red | 3 |
| Blue | 4 |
| Green | 7 |
| Yellow | 1 |

## Green

A fair spinner has the numbers 1, 2, 3 and 4 on it. The spinner is spun.
Find the probability of the spinner landing on the number 3.


## Term 4 Maths Activities Answers

Work out, without using a calculator:
i) $-3 \times 4$
-12
ii) $10+-7$

3
iii) $-20 \div-5$

4

## Eleanor thinks of a mystery number and subtracts 7 . Her answer is 11. <br> What was her mystery number?


i. A sweet is chosen at random and replaced.

Mark, on the scale, the probability of choosing a strawberry sweet.
ii. A sweet is chosen at random. Mark, on the scale, the probability of choosing a lime sweet.


A car travels 60 miles in 3 hours. Work out how far it would travel in 1 hour.

Find the highest common factor of $10 x$ and $8 y$.

## 2

## Term 4 Maths Activities Answers



| Simplify $8 x-2 x$ |
| :--- |
| $6 x$ |

Find $10 \%$ of $£ 25$.
£2.50


Find the next two terms of the sequence:

Round 735 to the nearest 100.
700

## Term 4 Maths Activities Answers

In a café, I order a cup of tea and a piece a of cake and it costs $£ 1.10$. The next time I order 2 cups of tea and one piece of cake and
it costs $£ 1.70$.
Find the cost of a piece of cake.
50p
List the factors of 12 .
$1,2,3,4,6,12$
Simplify $2 x \times 3 y$
$6 x y$

The table shows the favourite foods of 25 children. Draw a bar chart to represent the data.

| Favourite Food | Frequency |
| :---: | :---: |
| Pizza | 6 |
| Curry | 5 |
| Chinese | 8 |
| Hamburgers | 4 |
| Chips | 2 |



