		_	_	
Tours	1.	Maths	V -T:	.: 4:
1 to r r r r	4	MATHS	ACTIN	ЛΤΙΡς

Write down all the factors of the number 20.

Calculate 5% of 300.

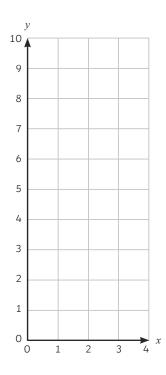
Simplify a + b + a + b

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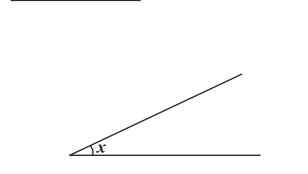
i) Complete the table of values for y = 3x + 1.

x	0	1	2	3
y			7	

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



Measure the size of the angle marked x:



The list shows the ages of 7 children. Find the median age.

9, 10, 11, 13, 13, 15, 17

Torm	7.	Maths	A ctiv	vition
rerm	4	Maths	ACTIV	vities

Which is bigger;

10² or 5³?

Look at the function machine below.

Work out the output if the input is 3:

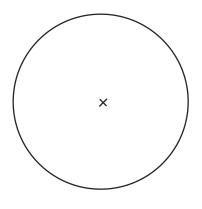
$$3 \rightarrow \boxed{\times 7} \rightarrow ?$$

a

b

Draw a radius on the circle.

С



Write $\frac{4}{5}$ as a decimal.

The first four terms of a sequence are:

6, 11, 16, 21...

Simran says the number 302 is in the sequence. Explain why she is wrong.

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.

Term 4 Maths Activities

Write the following numbers in order of size, starting with the smallest.

a	

Calculate the value of the letter *x* in the equation:

$$2x + 1 = 11$$

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

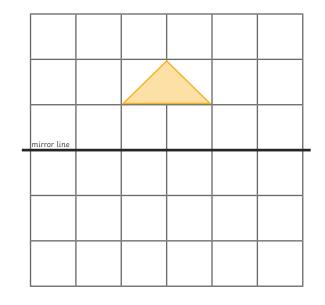
Calculate the value of the letter a in the equation

$$3a = 12$$



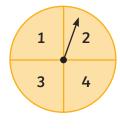
Reflect the shape in the mirror line.

d



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) -3×4

ii) 10 + -7



iii) -20 ÷ -5

A bag contains strawberry and mint flavoured sweets. There are 4 strawberry and 6 mint sweets.

- 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.

0

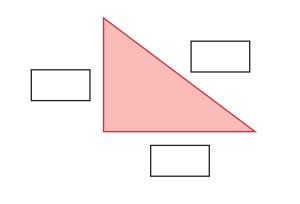
A car travels 60 miles in 3 hours. Work out how far it would travel in 1 hour.

Eleanor thinks of a mystery number and subtracts 7. Her answer is 11.

What was her mystery number?



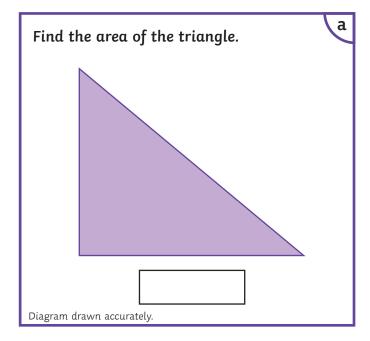
Accurately measure the sides of the triangle.

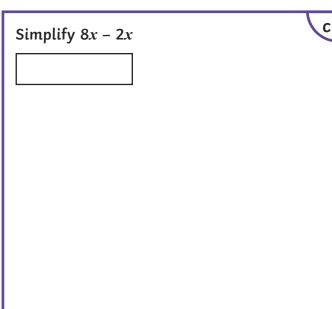


Find the highest common factor of 10x and 8y.



Term 4 N	1aths A	ctivi	ities
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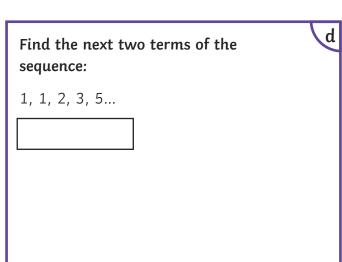
Find 10% of £25.	е

Is the answer to √60 between:

a) 6 and 7

or,

b) 7 and 8?



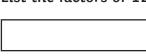
Round 735 to the nearest 100.	f

Term 4 N	1aths A	ctivi	ities
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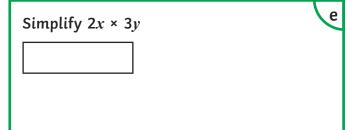


In a café, I order a cup of tea and a piece of cake and it costs £1.10. The next time I order 2 cups of tea and one piece of cake and it costs £1.70.

Find the cost of a piece of cake.



List the factors of 12.



of 25 children. Draw a bar chart to represent the data.

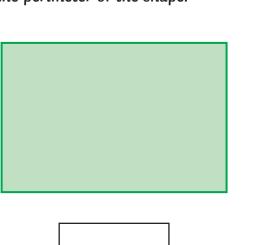
d

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

The table shows the favourite foods



Find the perimeter of the shape.



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.



b

Diagram drawn accurately.

Write down all the factors of the number 20.

1, 2, 4, 5, 10, 20

Calculate 5% of 300.

15

Simplify a + b + a + b

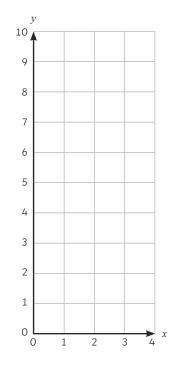
2a + 2b

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

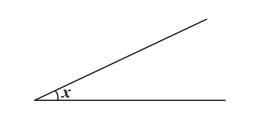
у	1	4	7	10
x	0	1	2	3

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

Correctly drawn graph



Measure the size of the angle marked *x*:



The list shows the ages of 7 children. Find the median age.

Which is bigger;

10² or 5³?

 $5^3 = 125$

Look at the function machine below.

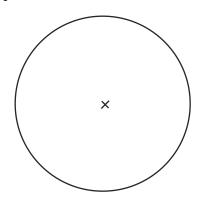
Work out the output if the input is 3:

$$3 \rightarrow \boxed{\times 7} \rightarrow ?$$

21

Draw a radius on the circle.

Correctly drawn radius



Write $\frac{4}{5}$ as a decimal.

0.8

The first four terms of a sequence are:

6, 11, 16, 21...

Simran says the number 302 is in the sequence. Explain why she is wrong.

The sequence always ends in 1 or 6

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.

18

Write the following numbers in order of size, starting with the smallest.

4, -2, 7, -1, 0, 5

-2, -1, 0, 4, 5, 7

Calculate the value of the letter x in the equation:

$$2x + 1 = 11$$

$$x = 5$$

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

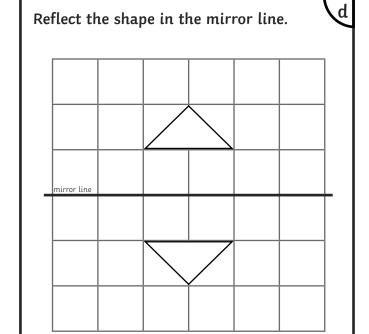
Colour	Frequency
Red	3
Blue	4
Green	7
Yellow	1

Green

Calculate the value of the letter a in the equation

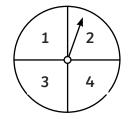
3a = 12

a = 4



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.



Work out, without using a calculator:

i) -3×4

-12

ii) 10 + -7

3

iii) -20 ÷ -5

4

A bag contains strawberry and mint flavoured sweets. There are 4 strawberry and 6 mint sweets.

- 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.

s s

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

20 miles

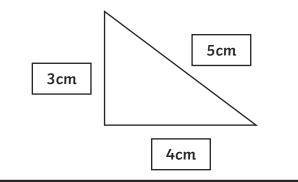
Eleanor thinks of a mystery number and subtracts 7. Her answer is 11.

What was her mystery number?

18

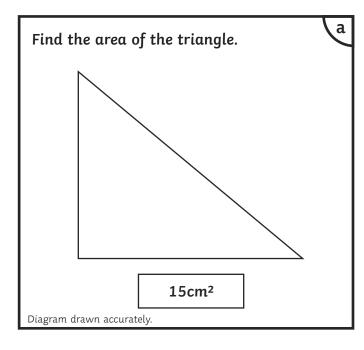
Accurately measure the sides of the triangle.

Can lead into a nice discussion on Pythagorean triples!



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

2



Simplify 8x - 2x6*x*

Find 10% of £25. £2.50

Is the answer to √60 between:

a) 6 and 7

or,

b) 7 and 8?

b) 7 and 8 since 72 is 49 and 82 is 64.

Find the next two terms of the sequence:

1, 1, 2, 3, 5...

8, 13

Round 735 to the nearest 100.

700

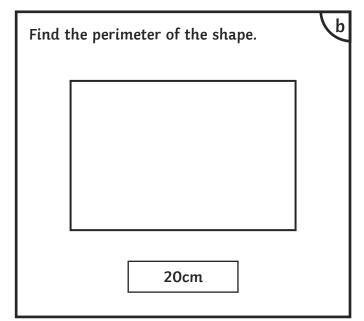
In a café, I order a cup of tea and a piece of cake and it costs £1.10. The next time I order 2 cups of tea and one piece of cake and it costs £1.70.

Find the cost of a piece of cake.

50p

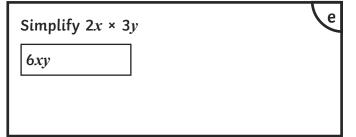
List the factors of 12.

1, 2, 3, 4, 6, 12



d 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.

1:2



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

