|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Area of Learning | Arithmetic <br> LC: Can you use number bonds to make different totals? | LC: Can you calculate angles within a triangle? | LC: Can you calculate angles within a quadrilateral? | LC: Can you identify different types of angles? | LC: Can you find real life examples of different types of angles? |
| Activity | Starter: Complete the 10 mental maths questions for Monday (provided below) <br> Main Activity <br> Chn should recap number facts and bonds that they are already familiar with, e.g. <br> - Bonds to 10 and 20 <br> - IO bonds to 100 <br> - Numbers that add to 500 and 1000 <br> - Doubles and halves up to 100 <br> Practise some quick mental questions with a parent or a friend, e.g. what is $30+40$ / what is double I8? | Starter: Complete the 10 mental maths questions for Tuesday (provided below) <br> Main Activity <br> Chn should recap what they have learnt this half term about angles within a triangle - these add up to $180^{\circ}$ <br> Chn to watch the video to recap different types of triangles and their properties https://www.bbc.co.uk/bitesize/ topics/zvmxsbk/articles/zggsfrd <br> Independent Activity <br> Complete the questions provided below, including some | Starter: Complete the 10 mental maths questions for Wednesday (provided below) <br> Main Activity <br> Similarly to yesterday, chn should recap what they already know: <br> - Angles on a straight line add up to $180^{\circ}$ <br> - Angles around a point add up to $360^{\circ}$ <br> - Opposing angles are equal to each other. <br> - Angles within a triangle add up to $180^{\circ}$ <br> - Angles within a quadrilateral add up to $360^{\circ}$ | Starter: Complete the 10 mental maths questions for Thursday (provided below) <br> Main Activity <br> Chn to watch the video on different types of angles (up to I:52) <br> https://www.youtube.com/ watch? $\mathrm{v}=\mathrm{GI} 70 \mathrm{VDrHXhE}$ <br> Chn to draw an example of each angle type in their book: <br> - An acute angle <br> - An obtuse angle <br> - A reflex angle <br> - A right angle | Starter: Complete the 10 mental maths questions for Friday (provided below) <br> Main Activity <br> Chn to quickly recap the angles that they have already covered in previous session use the prompts in their books to help with this. <br> Chn to spend time cutting out and designing their own angle eaters using |



## Starter Activities

| Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: |
| 1. $652+78,845$ | 11. $6198+22,405$ | 21. $223+32,154$ | 31. 45,454 + 110,548 | 41. $15,450+781,000$ |
| 2. $1 / 4 \times 2 / 3$ | 12. $1 / 8 \times 5 / 6$ | 22. $1 / 3 \times 2 / 3$ | 32. $3 / 4 \times 1 / 3$ | 42. $4 / 5 \times 3 / 8$ |
| 3. $45,497-235$ | 13. 72,100-408 | 23. 65,302-200 | 33. 5612-217 | 43. 58,652-698 |
| 4. $1 / 5 \times 6$ | 14. $1 / 7 \times 3$ | 24. $1 / 8 \times 4$ | 34. $1 / 3 \times 7$ | 44. $1 / 10 \times 69$ |
| 5. $8 \times 9+12$ | 15. $4 \times 6+15$ | 25. $10 \times 7+41$ | 35. $12 \times 3+10$ | 45. $6 \times 7+125$ |
| 6. $160-12 \times 2$ | 16. $280-18 \times 5$ | 26. $350-17 \times 4$ | 36. $189-12 \times 6$ | 46. $200-13 \times 6$ |
| 7. Find $2 / 3$ of 207 | 17. Find $2 / 3$ of 468 | 27. Find $2 / 3$ of 1413 | 37. Find $2 / 3$ of 1500 | 47. Find $2 / 3$ of 3000 |
| 8. Calculate $15 \%$ of 630 | 18. Calculate $15 \%$ of 890 | 28. Calculate $15 \%$ of 284 | 38. Calculate $15 \%$ of 548 | 48. Calculate $15 \%$ of 404 |
| 9. Write $3 / 10$ as a decimal | 19. Write $7 / 10$ as a decimal | 29. Write $9 / 10$ as a decimal | 39. Write $7 / 10$ as a decimal | 49. Write $\mathrm{I} / \mathrm{I} 0$ as a decimal |
| 10. $11,835 \div 15$ | 20. $6375 \div 15$ | 30. $7980 \div 15$ | 40. $9720 \div 15$ | 50. $3480 \div 15$ |

If you cannot print off these questions, please don't worry - simply have a go at writing the calculations and answers in your book or on a piece of paper!

Monday 30.03.20


## Each missing digit in this calculation is $\mathbf{2 , 5}$ or $\mathbf{7}$

## Write in the missing digits.

You may use each digit more than once.


Each missing digit in this calculation is $\mathbf{2 , 5}$ or $\mathbf{7}$
Write in the missing digits
You may use each digit more than once.


## Each missing digit in this sum is a 9 or a 1

Write in the missing digits.

$\square$ $+$ $\square$
Each missing digit in this sum is an $\mathbf{8}$ or a $\mathbf{2}$
8

$+$

$+$

$=132$
Write in the missing digits.

Here are four digit cards


Use each of the digits once to make a total that is a multiple of 5


Here are four digit cards.


Write in three of the digits to make the total nearest to 1000


Tuesday 31.03.20


An Equilateral Triangle

- All sides are the same
- All angles are equal

I have an isosceles triangle.
One angle measures 42 degrees.
What could the other angles measure?


> An Irasceles Triangle - Two of the sides are equal - Two of the angles are equal


A Scalere Triangle

- All sides are different

I All angles are differert.

My angles are $70^{\circ}, 70^{\circ}$ and $40^{\circ}$


Eva


What type of triangle is each person describing?
Explain how you know.


Calculate the size of angle $\boldsymbol{a}$.



Calculate the size of angles $a$ and $b$.
Do not measure the angles


Now try a brain-buster or two:

The diagram shows an isosceles triangle and a square on a straight line.


Not
to

Calculate angle $\alpha$.

Calculate the size of the reflex angle $b$.


Calculate the size of angles $\mathrm{a}, \mathrm{b}$ and c .


Give reasons for all of your answers.

Wednesday 01.04.20

Use what you already know about angles on a straight line, opposing angles and angles around a point to help you calculate the missing angles:

If the angles within a quadrilateral add up to $360^{\circ}$, can you work out the missing angles:



## Try this brain-buster...



Draw two different shapes to prove Jack wrong. Measure and mark on the angles.

The diagram shows two overlapping squares and a straight line.


Calculate the value of angle $x$ and the value of angle $y$
Do not use a protractor (angle measurer)

Thursday 02.04.20



## Friday 03.04.20



## Where can I complete further work?

Twinkl - Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code UKTWINKLHELPS for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets - Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths - Free Maths home learning resources for all ages. Watch the videos and try the questions.
Primary Stars - Free Maths home learning packs for Year I and 2.
BBC Bitesize Primary - Free learning resources available for $K S I$ and $K S 2$ across all subjects.
I See Maths - Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.
Top Marks - Free educational resources and games for English and Maths.
ICT Games - Free educational resources and games for English and Maths.

