



<b>Week 1: Fractions recap</b>	<b>Week 2: Adding and Subtracting Fractions</b>	<b>Week 3: Constructions 1</b>
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**numerator**  Top number of a fraction.

**denominator**  Bottom number of a fraction.

*\*If the numerator and denominator are the same then the fraction is equal to 1 eg.  $\frac{5}{5} = 1$*


**mixed number** Made up of a whole number and a fraction eg.  $2\frac{1}{3}$

**improper fraction** A fraction with a larger numerator than denominator eg.  $\frac{5}{3}$

**unit fraction** Any fraction where the numerator is equal to 1.

**common denominator** When the denominators of two or more fractions are the same.

**equivalent fraction** A fraction that has the same *value* as another fraction

eg.  $\frac{2}{3} = \frac{4}{6}$  

4 Times Tables	$1 \times 4 = 4$	$4 \times 4 = 16$	$7 \times 4 = 28$	$10 \times 4 = 40$
	$2 \times 4 = 8$	$5 \times 4 = 20$	$8 \times 4 = 32$	$11 \times 4 = 44$
	$3 \times 4 = 12$	$6 \times 4 = 24$	$9 \times 4 = 36$	$12 \times 4 = 48$

**equivalent fractions** We create equivalent fractions by multiplying (or dividing) **both** the numerator and denominator by the **same value**.

When fractions have the same denominator we call this a **common denominator**.

When adding and subtracting fractions they must have **common denominators**:


$\frac{3}{4} - \frac{1}{3}$	$\frac{9}{12} - \frac{4}{12}$
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Not ready to be subtracted      Ready to be subtracted


To find a common denominator, identify a common multiple of the denominators then create an equivalent fraction.


**algebraic fraction** A fraction that contains at least one **variable** (letter)


5 Times Tables	$1 \times 5 = 5$	$4 \times 5 = 20$	$7 \times 5 = 35$	$10 \times 5 = 50$
	$2 \times 5 = 10$	$5 \times 5 = 25$	$8 \times 5 = 40$	$11 \times 5 = 55$
	$3 \times 5 = 15$	$6 \times 5 = 30$	$9 \times 5 = 45$	$12 \times 5 = 60$


**angle**  An amount of turn between two lines.


**protractor**  A piece of equipment used to measure and draw angles.


**acute angle**  An angle less than 90°.

**obtuse angle**  An angle between 90° and 180°.

**reflex angle**  An angle greater than 180° but less than 360°.


**right angle**  An angle that is exactly 90°.


**parallel**  Lines that remain a constant distance apart – they never meet. *Arrows show that lines are parallel.*


**perpendicular**  Lines that meet at a right angle (90°)

7 Times Tables	$1 \times 7 = 7$	$4 \times 7 = 28$	$7 \times 7 = 49$	$10 \times 7 = 70$
	$2 \times 7 = 14$	$5 \times 7 = 35$	$8 \times 7 = 56$	$11 \times 7 = 77$
	$3 \times 7 = 21$	$6 \times 7 = 42$	$9 \times 7 = 63$	$12 \times 7 = 84$

**Extension work** – Codes for related Independent Learning tasks on [Sparx Maths](#) Click on 'Independent Learning' on home page then enter code in search box

	<b>M939</b> Constructing fractions
	<b>M410</b> Finding equivalent fractions
	<b>M601</b> Converting mixed numbers

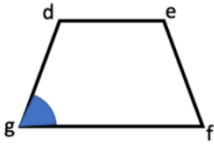
	<b>M410</b> Finding equivalent fractions
	<b>M835</b> Adding & subtracting fractions

	<b>M502</b> Types of angles
	<b>M780</b> Measuring angles
	<b>M814</b> Line properties

**Week 4: Constructions 2**

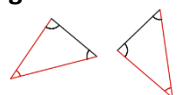
**Week 5: Polygons**

**Week 6: Core knowledge recap**




"Angle dgf" can be written as:  
 $d\hat{g}f$  or  $\angle dgf$  or  $dgf$

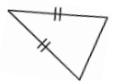
**congruent** Two shapes that are exactly the same size and shape. They are **identical**.




**scalene triangle** A triangle with all three sides of different lengths.



**isosceles triangle** A triangle with two sides of equal length and one side different.



**equilateral triangle** A triangle with all three sides the same length.



*\*If sides are the same length we put dashes on them.*

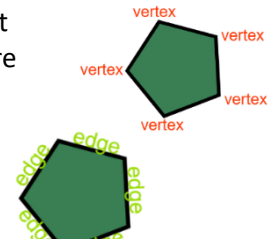
**To show whether triangles are congruent we use:**  
**SSS** – side, side, side  
**SAS** – side, angle, side  
**ASA** – angle, side, angle

9 Times Tables

1 x 9 = 9	4 x 9 = 36	7 x 9 = 63	10 x 9 = 90
2 x 9 = 18	5 x 9 = 45	8 x 9 = 72	11 x 9 = 99
3 x 9 = 27	6 x 9 = 54	9 x 9 = 81	12 x 9 = 108

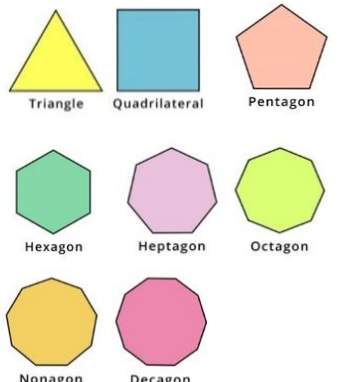
**polygon** A 2D shape with straight sides.  
**regular polygon** A polygon where all sides and angles are equal.

**vertex** A corner **or** a point where two or more lines meet.  
**edge** A **side** of a shape.



**adjacent** Adjacent sides share a corner. They are **next to** each other.





**triangle** – 3 sides  
**quadrilateral** – 4 sides  
**pentagon** – 5 sides  
**hexagon** – 6 sides  
**heptagon** – 7 sides  
**octagon** – 8 sides  
**nonagon** – 9 sides  
**decagon** – 10 sides





10 Times Tables

1 x 10 = 10	4 x 10 = 40	7 x 10 = 70	10 x 10 = 100
2 x 10 = 20	5 x 10 = 50	8 x 10 = 80	11 x 10 = 110
3 x 10 = 30	6 x 10 = 60	9 x 10 = 90	12 x 10 = 120

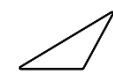


**common denominator** When the denominators of two or more fractions are the same.  
**angle** An amount of turn between two lines.

**acute angle**  **obtuse angle**   
**reflex angle**  **right angle** 

**protractor**  A piece of equipment used to measure and draw angles.

**parallel**  Lines that remain a constant distance apart – they never meet.

**congruent** Shapes that are exactly the same size/shape. They are **identical**.


**scalene triangle**  **isosceles triangle**  **equilateral triangle** 


**adjacent** Sides that are **next to** each other.


12 Times Tables

1 x 12 = 12	4 x 12 = 48	7 x 12 = 84	10 x 12 = 120
2 x 12 = 24	5 x 12 = 60	8 x 12 = 96	11 x 12 = 132
3 x 12 = 36	6 x 12 = 72	9 x 12 = 108	12 x 12 = 144

**Extension work** – Codes for related Independent Learning tasks on [Sparx Maths](#) Click on 'Independent Learning' on home page then enter code in search box

 **M124** Understanding congruence  
**M276** Shape properties

 **M276** Shape properties

 **M541** Estimating angles  
**M331** Drawing angles  
**M351** Angles in triangles