

Part of

**BEAT
THAT!**



Welsh Language

The Big Maths

The SAFE Challenges!



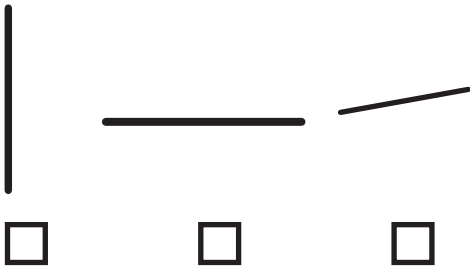
Thank you to Ysgol Gymraeg Treganna, Ysgol Gymraeg Glan Ceubal and Ysgol Morfa Rhianedd for their generous help in translating the SAFE Challenges to Welsh.



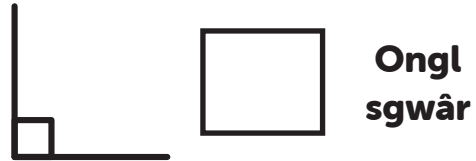
Big Maths Beat That!: Teacher Notes

SAFE Challenge 10			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Shape: Explore & Draw	15	I can recognise horizontal and vertical lines
Q2	Shape: Explore & Draw	16	I can recognise parallel lines
Q3	Shape: Explore & Draw	17	I can recognise perpendicular lines
Q4	Amounts: Amounts of Turn	8	I can tell if an angle is greater than or less than a right angle
Q5	Amounts: Amounts of Turn	10	I can spot right angles in shapes
Q6	Fractions: Fractions of a Whole	9	I can tell you fractions equal to 1, e.g. two halves, three thirds, four quarters, etc.
Q7	Fractions: Fractions of a Whole	12	I can find any simple fraction of any simple shape
Q8	Fractions: Fractions: Counting	6	I can count in thirds
Q9	Fractions: Fractions: It's Nothing New	4	I can add and subtract fractions with the same denominator (within 1)
Q10	Fractions: Fractions: Calculation	1	I see fractions as 'just another number'

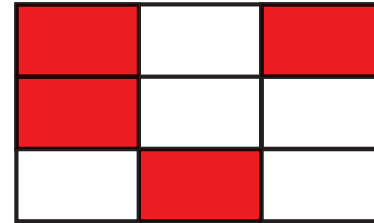
1 Ticiwch y llinell fertigol



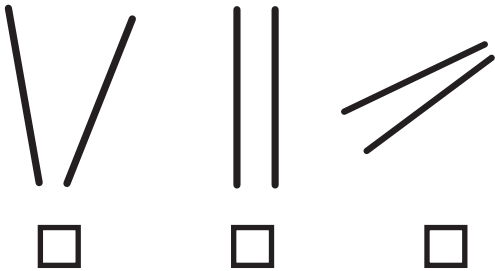
4 Rhowch $>$, $<$ neu $=$ yn y blwch



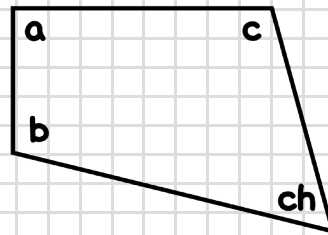
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

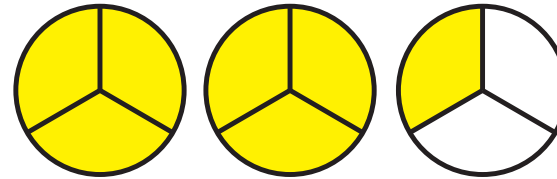


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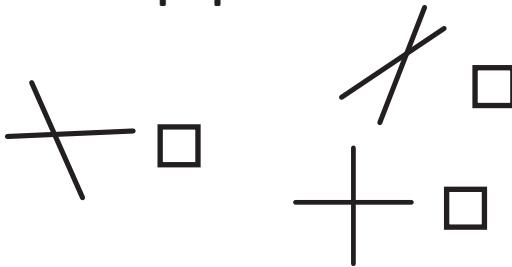


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{3}{4} = 1 \quad \square \quad \frac{5}{4} = 1 \quad \square$$

$$\frac{4}{4} = 1 \quad \square$$

9

$$\frac{8}{9} - \frac{3}{9} =$$

10

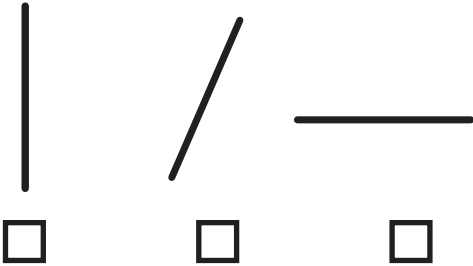
$$3 + \frac{2}{5} + 5 =$$

FY SGÔR DDIWETHAF?!

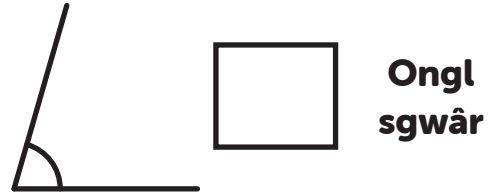
YDW I WEDI EI GURO?!



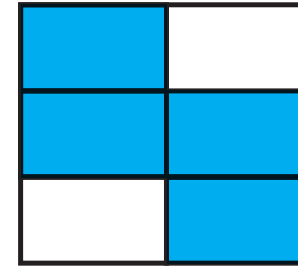
1 Ticiwch y llinell lorweddol



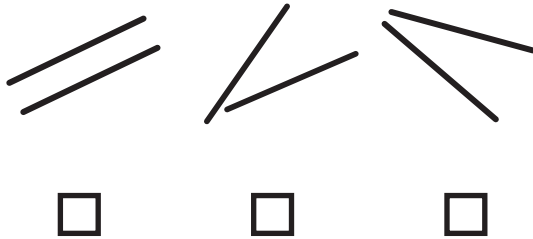
4 Rhowch $>$, $<$ neu $=$ yn y blwch



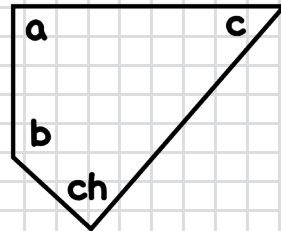
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

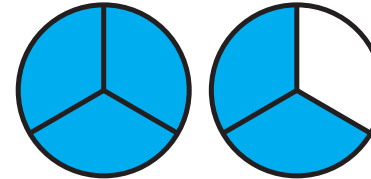


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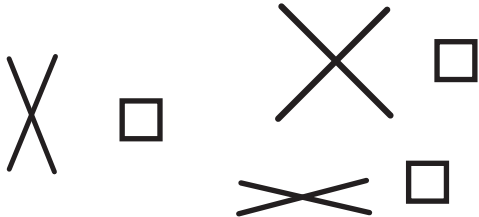


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{2}{2} = 1 \quad \square \quad \frac{1}{2} = 1 \quad \square$$

$$\frac{3}{4} = 1 \quad \square$$

9

$$\frac{4}{7} + \frac{2}{7} =$$

10

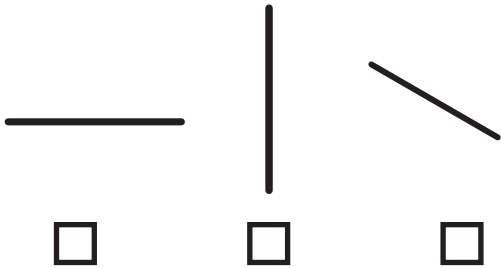
$$2 + \frac{1}{2} + 1 =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



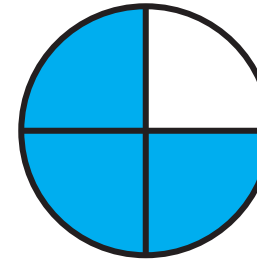
1 Ticiwch y llinell lorweddol



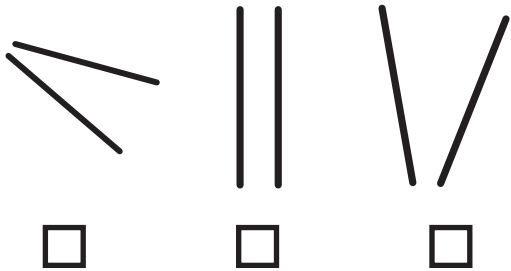
4 Rhowch $>$, $<$ neu $=$ yn y blwch



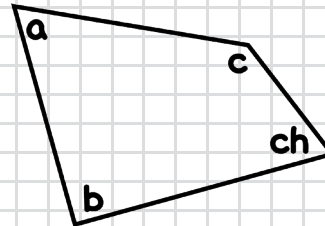
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

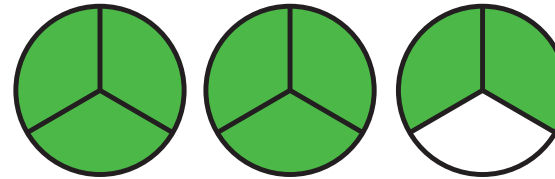


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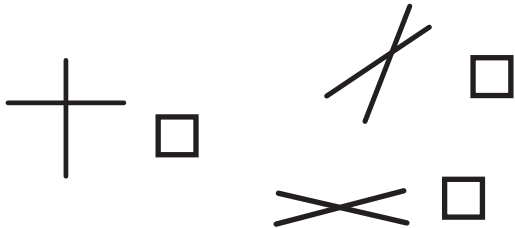


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{1}{5} = 1 \quad \square \quad \frac{5}{5} = 1 \quad \square$$

$$\frac{3}{4} = 1 \quad \square$$

9

$$\frac{3}{6} - \frac{1}{6} =$$

10

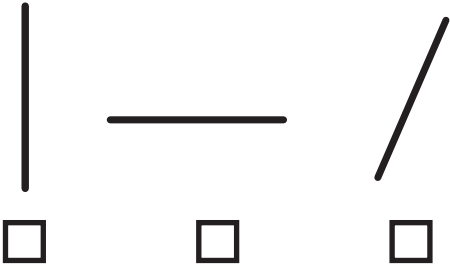
$$7 + 2 + \frac{2}{3} =$$

FY SGÔR DDIWETHAF?!

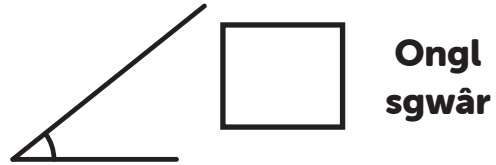
YDW I WEDI EI GURO?!



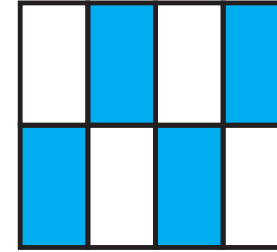
1 Ticiwch y llinell fertigol



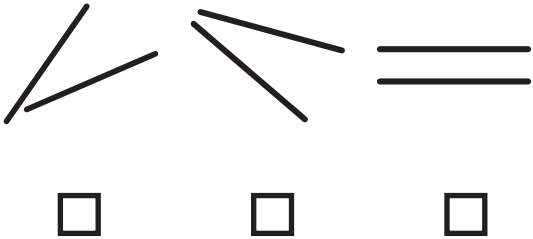
4 Rhowch $>$, $<$ neu $=$ yn y blwch



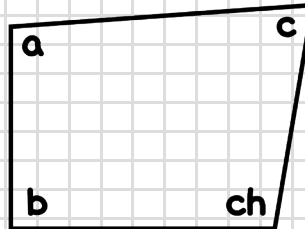
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

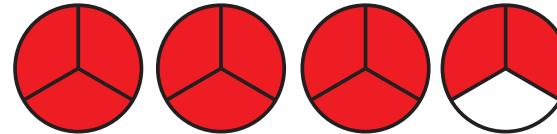


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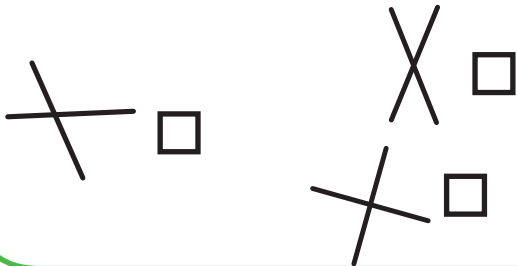


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{1}{3} = 1 \quad \square \quad \frac{2}{5} = 1 \quad \square$$

$$\frac{4}{4} = 1 \quad \square$$

9

$$\frac{3}{8} + \frac{2}{8} =$$

10

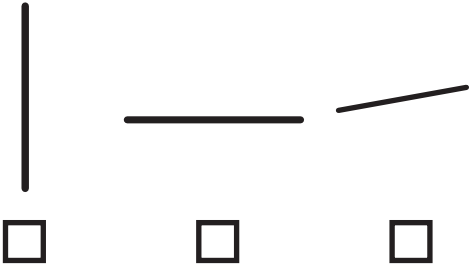
$$2 + 3 + \frac{3}{5} =$$

FY SGÔR DDIWETHAF?!

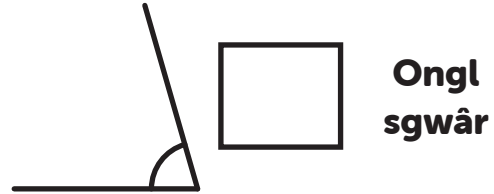
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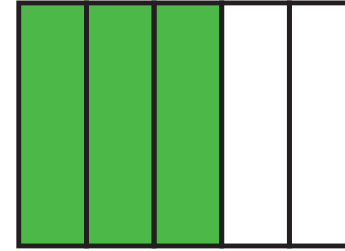
1 Ticiwch y llinell lorweddol



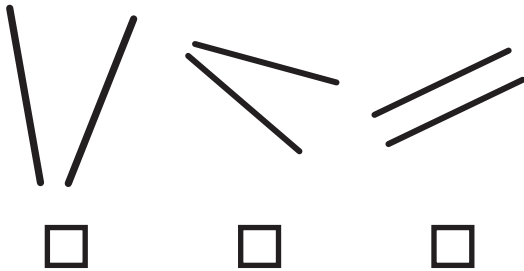
4 Rhowch $>$, $<$ neu $=$ yn y blwch



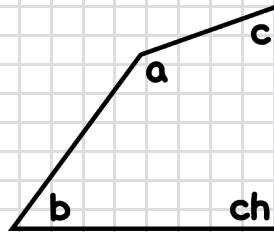
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

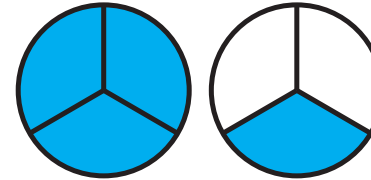


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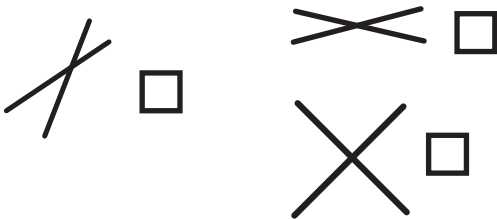


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{3}{3} = 1 \quad \square \quad \frac{4}{5} = 1 \quad \square$$

$$\frac{1}{2} = 1 \quad \square$$

9

$$\frac{3}{7} - \frac{1}{7} =$$

10

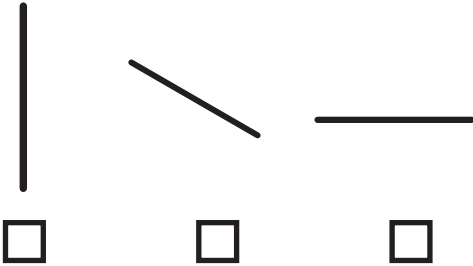
$$\frac{1}{4} + 1 + 3 =$$

FY SGÔR DDIWETHAF?!

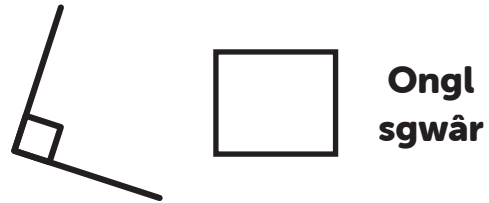
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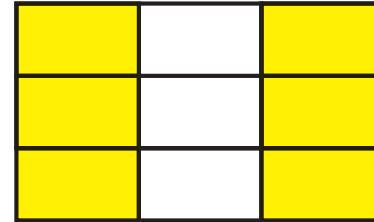
1 Ticiwch y llinell fertigol



4 Rhowch $>$, $<$ neu $=$ yn y blwch



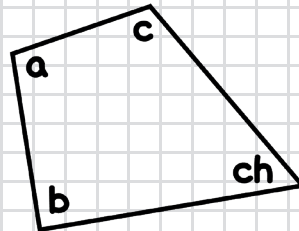
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

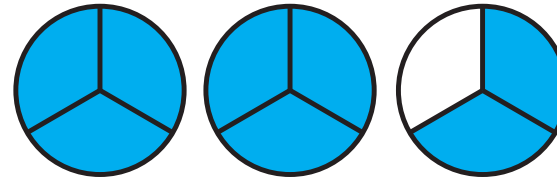


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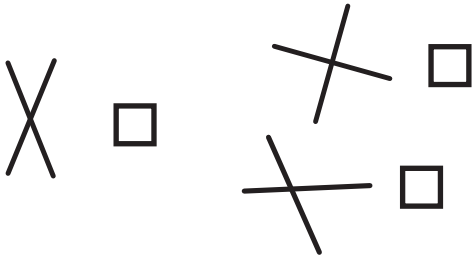


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{1}{5} = 1 \square \quad \frac{2}{2} = 1 \square$$

$$\frac{3}{4} = 1 \square$$

9

$$\frac{8}{9} - \frac{6}{9} =$$

10

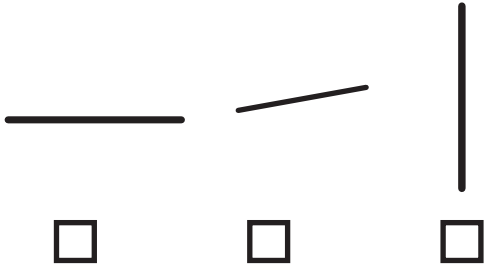
$$\frac{1}{3} + 3 + 2 =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



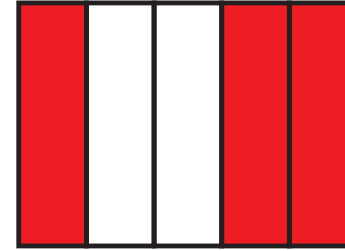
1 Ticiwch y llinell lorweddol



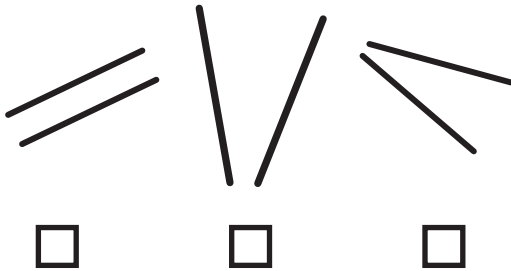
4 Rhowch $>$, $<$ neu $=$ yn y blwch



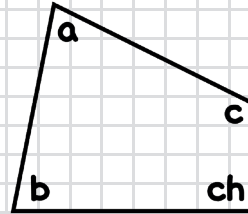
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

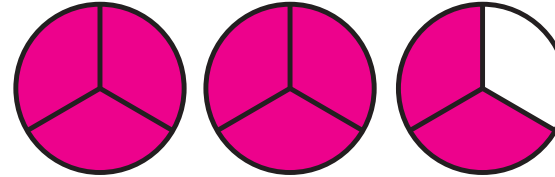


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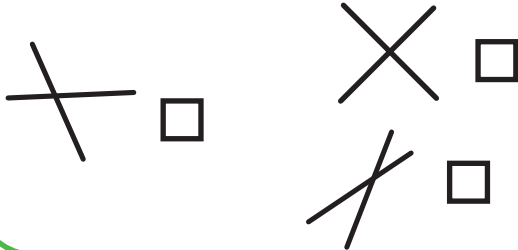


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{5}{5} = 1 \quad \frac{1}{2} = 1$$

$$\frac{3}{5} = 1$$

9

$$\frac{5}{6} - \frac{2}{6} =$$

10

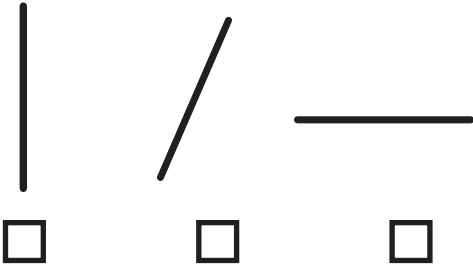
$$1 + \frac{2}{5} + 6 =$$

FY SGÔR DDIWETHAF?!

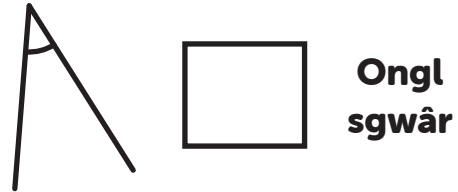
YDW I WEDI EI GURO?!



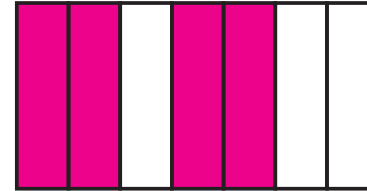
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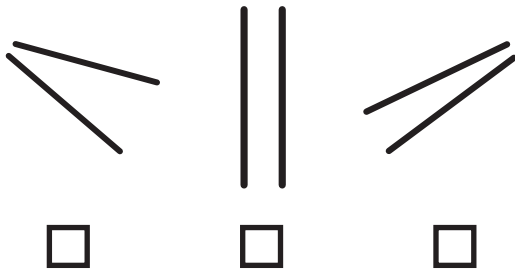
4 Rhowch $>$, $<$ neu $=$ yn y blwch



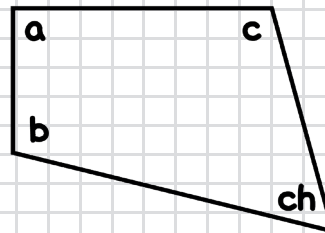
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2 Ticiwch y llinellau cyflin

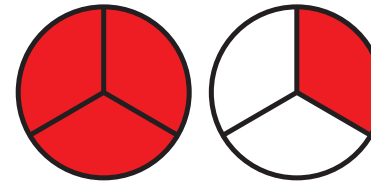


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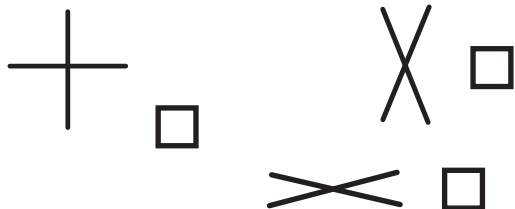


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{4}{5} = 1 \square \quad \frac{1}{2} = 1 \square$$

$$\frac{3}{3} = 1 \square$$

9

$$\frac{3}{9} + \frac{2}{9} =$$

10

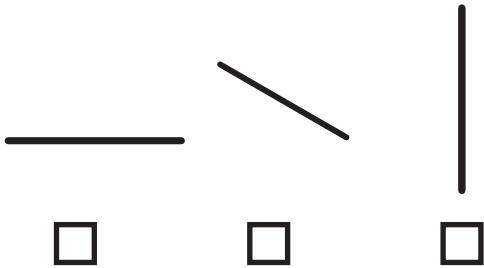
$$2 + \frac{1}{4} + 2 =$$

FY SGÔR DDIWETHAF?!

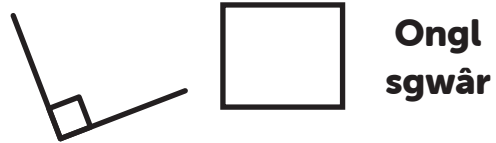
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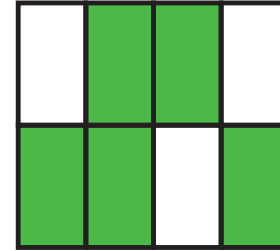
1 Ticiwch y llinell fertigol



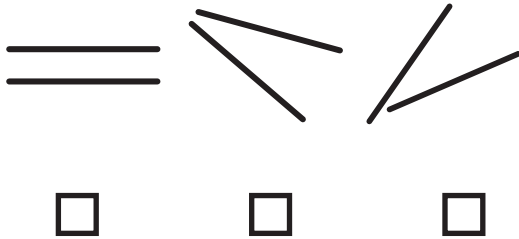
4 Rhowch $>$, $<$ neu $=$ yn y blwch



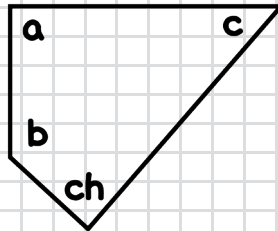
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

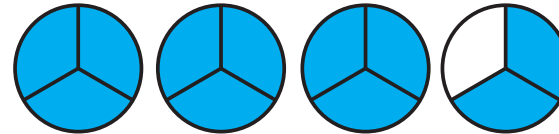


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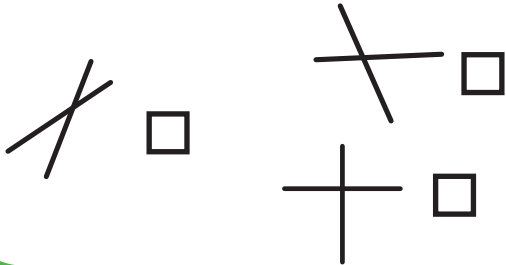


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{5}{5} = 1 \quad \frac{2}{3} = 1$$

$$\frac{1}{3} = 1$$

9

$$\frac{5}{6} - \frac{4}{6} =$$

10

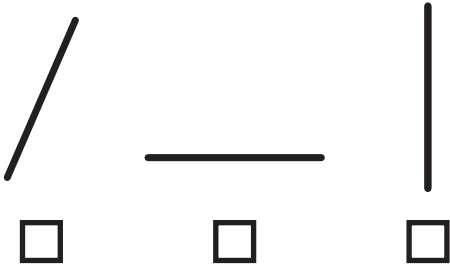
$$1 + 1 + \frac{1}{3} =$$

FY SGÔR DDIWETHAF?!

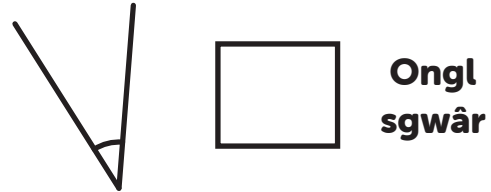
YDW I WEDI EI GURO?!



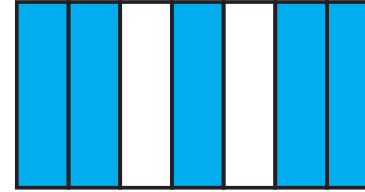
1 Ticiwch y llinell lorweddol



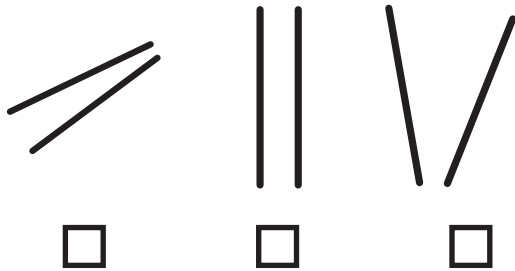
4 Rhowch $>$, $<$ neu $=$ yn y blwch



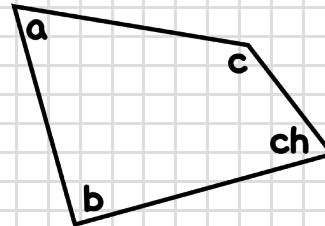
7 Ysgrifennwch fel ffracsiwn



2 Ticiwch y llinellau cyflin

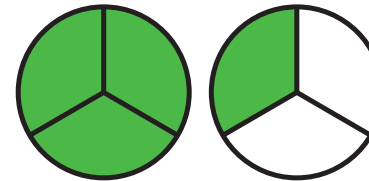


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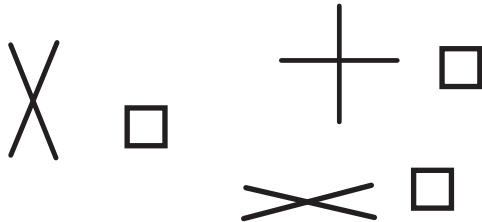


_____ yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{2}{2} = 1 \quad \square \quad \frac{4}{5} = 1 \quad \square$$

$$\frac{3}{4} = 1 \quad \square$$

9

$$\frac{2}{8} + \frac{5}{8} =$$

10

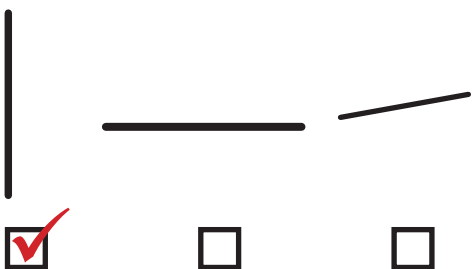
$$4 + 3 + \frac{3}{4} =$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



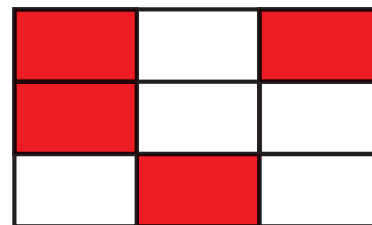
1 Ticiwch y llinell fertigol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

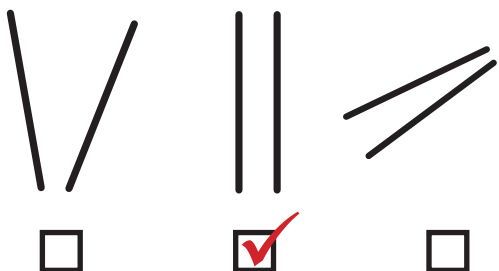


7 Ysgrifennwch fel ffracsiwn

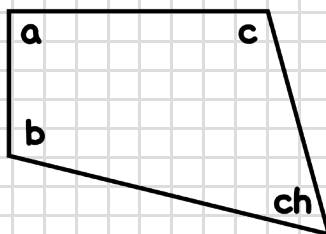


$\frac{4}{9}$

2 Ticiwch y llinellau cyflin

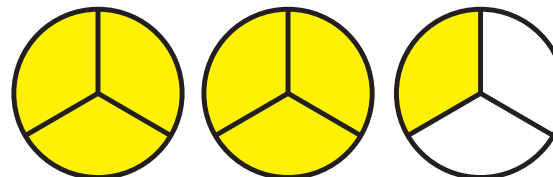


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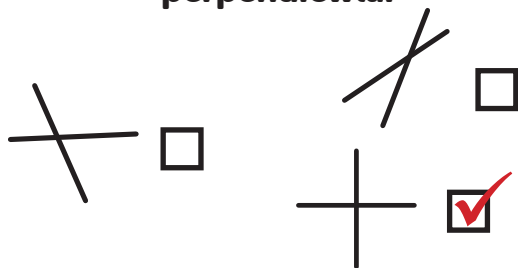
 a yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$2 \frac{1}{3}$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$\frac{3}{4} = 1$ $\frac{5}{4} = 1$

$\frac{4}{4} = 1$

9

$\frac{8}{9} - \frac{3}{9} =$
 $\frac{5}{9}$

10

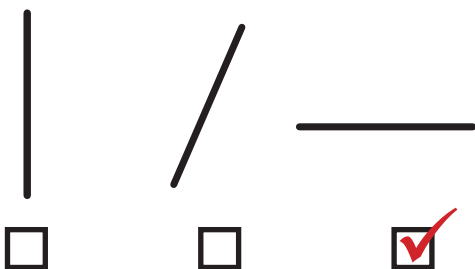
$3 + \frac{2}{5} + 5 =$
 $8 \frac{2}{5}$

FY SGÔR DDIWETHAF?!

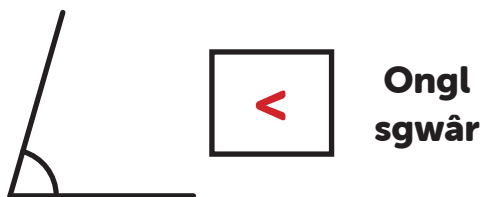
YDW I WEDI EI GURO?!



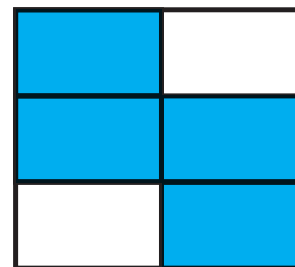
1 Ticiwch y llinell lorweddol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

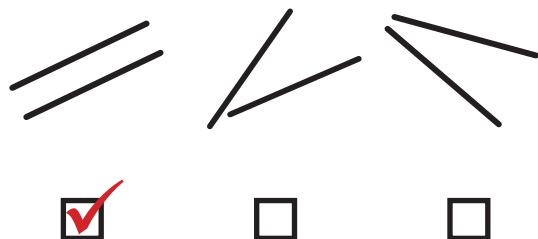


7 Ysgrifennwch fel ffracsiwn

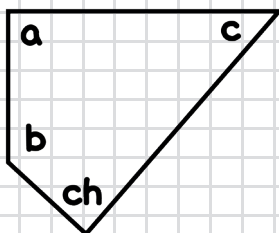


$$\frac{4}{6}$$

2 Ticiwch y llinellau cyflin

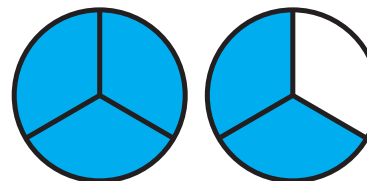


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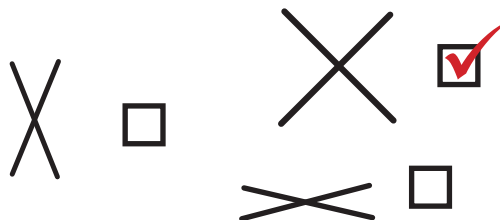
 a yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$$1 \frac{2}{3}$$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{2}{2} = 1 \quad \checkmark \quad \frac{1}{2} = 1 \quad \square$$

$$\frac{3}{4} = 1 \quad \square$$

9

$$\frac{4}{7} + \frac{2}{7} =$$

$$\frac{6}{7}$$

10

$$2 + \frac{1}{2} + 1 =$$

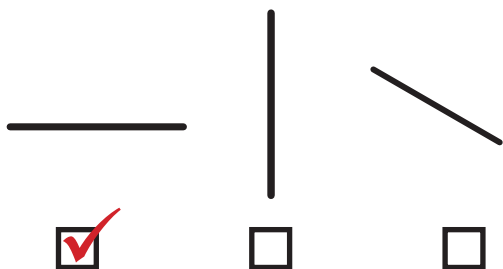
$$3 \frac{1}{2}$$

FY SGÔR DDIWETHAF?!

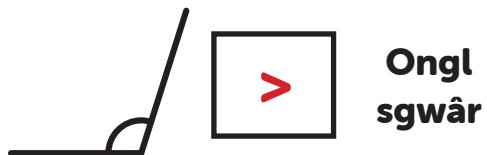
YDW I WEDI EI GURO?!



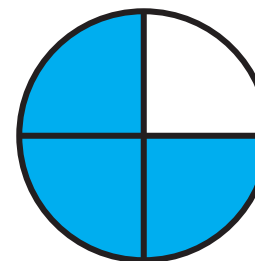
1 Ticiwch y llinell lorweddol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

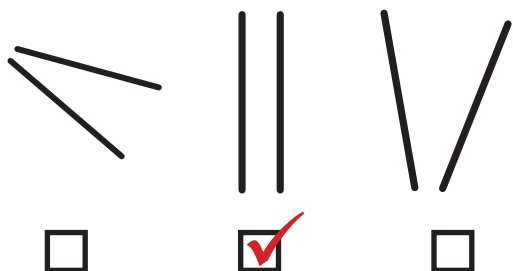


7 Ysgrifennwch fel ffracsiwn

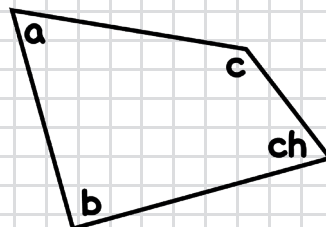


$\frac{3}{4}$

2 Ticiwch y llinellau cyflin

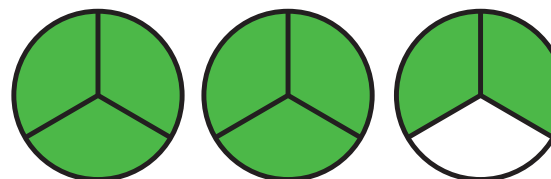


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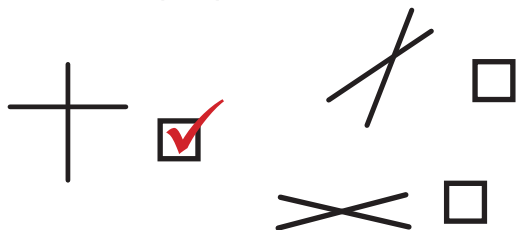
 b yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$2 \frac{2}{3}$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$\frac{1}{5} = 1$ $\frac{5}{5} = 1$

$\frac{3}{4} = 1$

9

$\frac{3}{6} - \frac{1}{6} =$

$\frac{2}{6}$

10

$7 + 2 + \frac{2}{3} =$

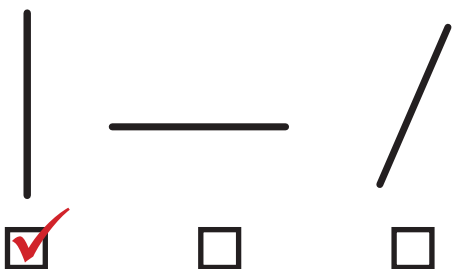
$9 \frac{2}{3}$

FY SGÔR DDIWETHAF?!

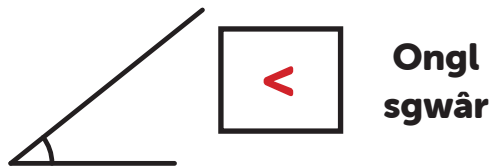
YDW I WEDI EI GURO?!



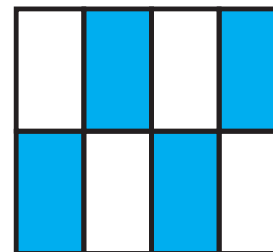
1 Ticiwch y llinell fertigol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

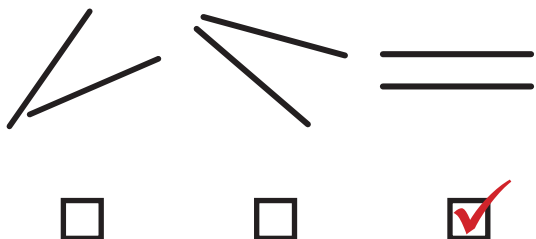


7 Ysgrifennwch fel ffracsiwn

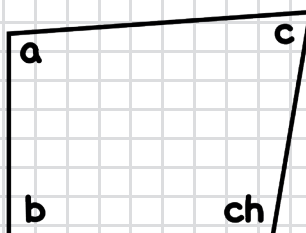


$$\frac{4}{8}$$

2 Ticiwch y llinellau cyflin

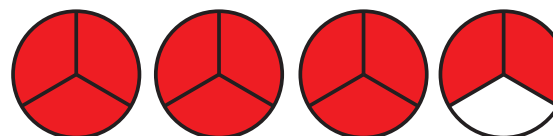


5



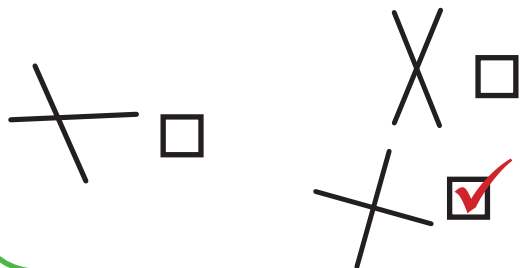
 b yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$$3 \frac{2}{3}$$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{1}{3} = 1 \quad \square \quad \frac{2}{5} = 1 \quad \square$$

$$\frac{4}{4} = 1 \quad \checkmark$$

9

$$\frac{3}{8} + \frac{2}{8} =$$

$$\frac{5}{8}$$

10

$$2 + 3 + \frac{3}{5} =$$

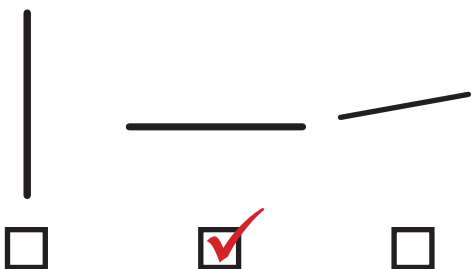
$$5 \frac{3}{5}$$

FY SGÔR DDIWETHAF?!

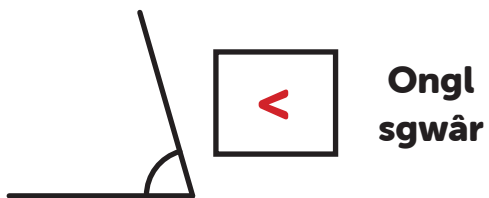
YDW I WEDI EI GURO?!



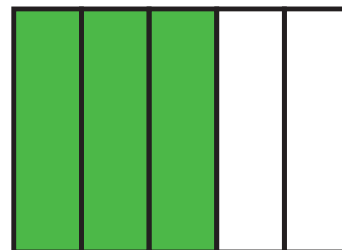
1 Ticiwch y llinell lorweddol



4 Rhowch >, < neu = yn y blwch

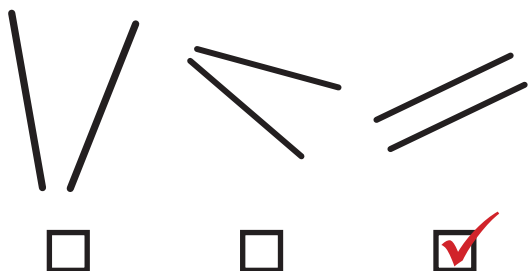


7 Ysgrifennwch fel ffracsiwn

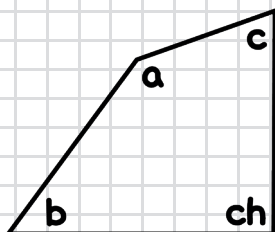


$$\frac{3}{5}$$

2 Ticiwch y llinellau cyflin

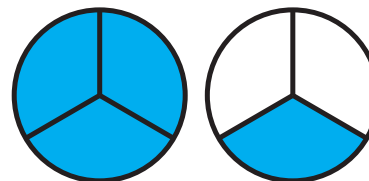


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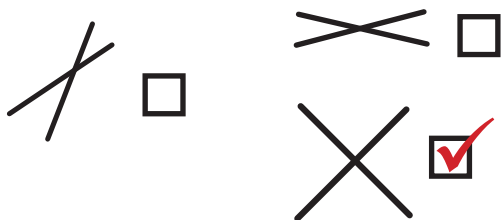
ch yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$$1 \frac{1}{3}$$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{3}{3} = 1 \quad \checkmark \quad \frac{4}{5} = 1 \quad \square$$

$$\frac{1}{2} = 1 \quad \square$$

9

$$\frac{3}{7} - \frac{1}{7} =$$

$$\frac{2}{7}$$

10

$$\frac{1}{4} + 1 + 3 =$$

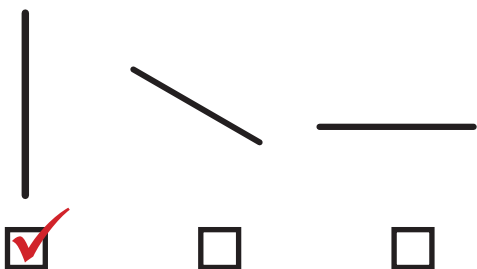
$$4 \frac{1}{4}$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!



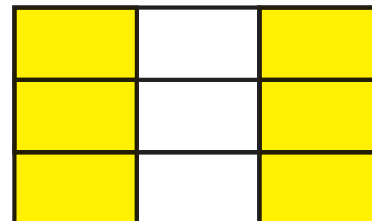
1 Ticiwch y llinell fertigol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

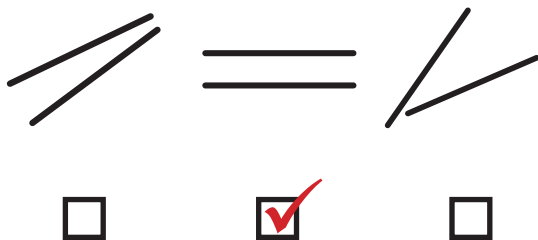


7 Ysgrifennwch fel ffracsiwn

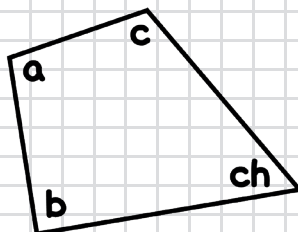


$\frac{6}{9}$

2 Ticiwch y llinellau cyflin

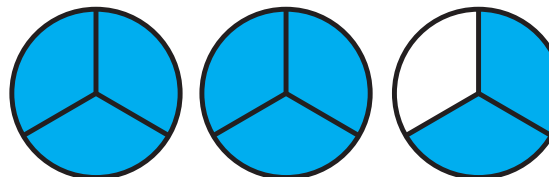


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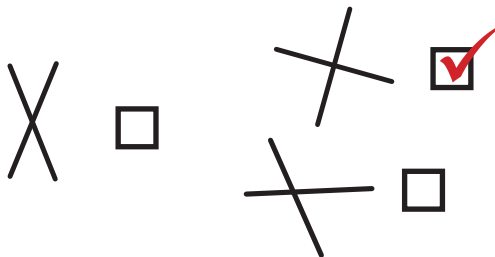
 b yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$2 \frac{2}{3}$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$\frac{1}{5} = 1$ $\frac{2}{2} = 1$

$\frac{3}{4} = 1$

9

$\frac{8}{9} - \frac{6}{9} =$
 $\frac{2}{9}$

10

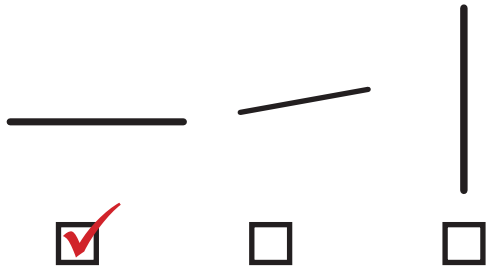
$\frac{1}{3} + 3 + 2 =$
 $5 \frac{1}{3}$

FY SGÔR DDIWETHAF?!

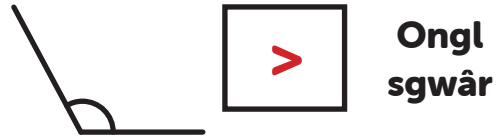
YDW I WEDI EI GURO?!



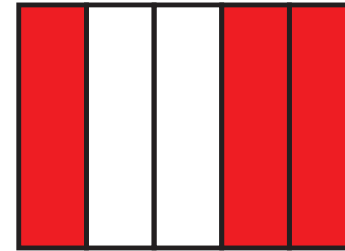
1 Ticiwch y llinell lorweddol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

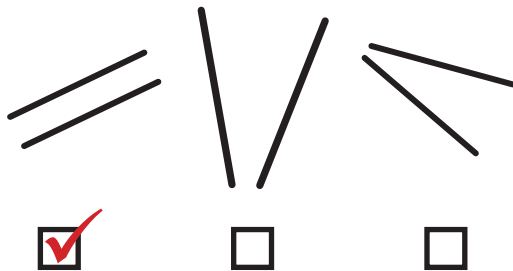


7 Ysgrifennwch fel ffracsiwn

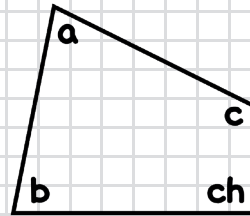


$\frac{3}{5}$

2 Ticiwch y llinellau cyflin

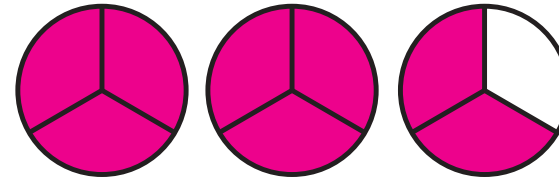


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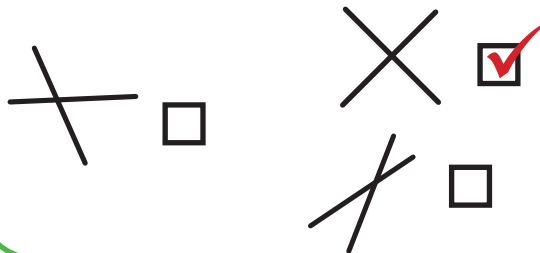
ch yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$2 \frac{2}{3}$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$\frac{5}{5} = 1$ $\frac{1}{2} = 1$

$\frac{3}{5} = 1$

9

$\frac{5}{6} - \frac{2}{6} =$

$\frac{3}{6}$

10

$1 + \frac{2}{5} + 6 =$

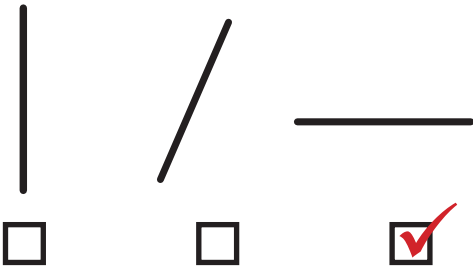
$7 \frac{2}{5}$

FY SGÔR DDIWETHAF?!

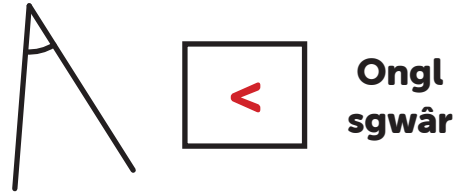
YDW I WEDI EI GURO?!



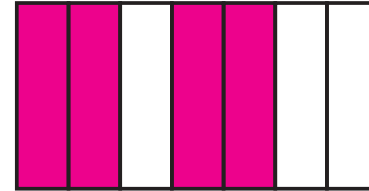
1 Ticiwch y llinell lorweddol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

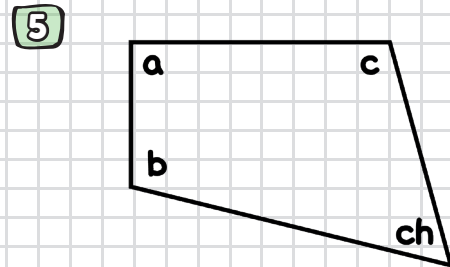
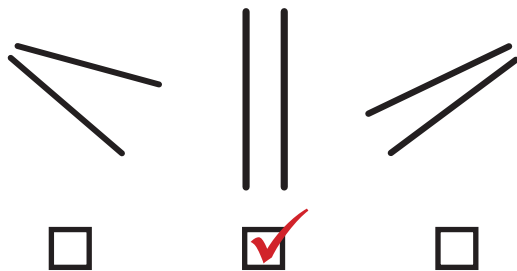


7 Ysgrifennwch fel ffracsiwn



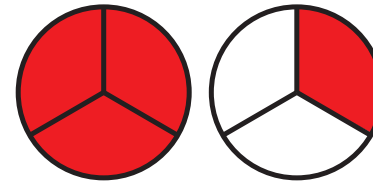
$\frac{4}{7}$

2 Ticiwch y llinellau cyflin



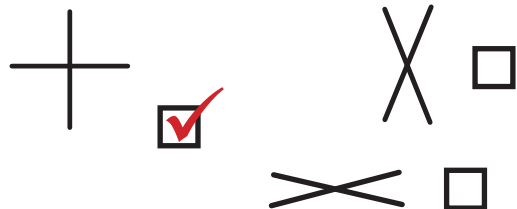
 a yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$1 \frac{1}{3}$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$\frac{4}{5} = 1$ $\frac{1}{2} = 1$

$\frac{3}{3} = 1$

9 $\frac{3}{9} + \frac{2}{9} =$

$\frac{5}{9}$

10 $2 + \frac{1}{4} + 2 =$

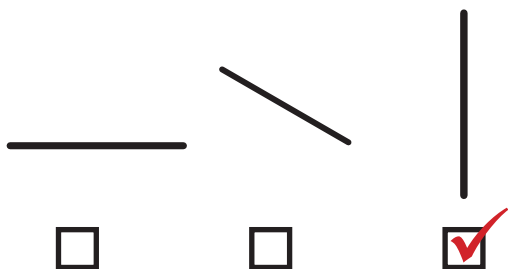
$4 \frac{1}{4}$

FY SGÔR DDIWETHAF?!

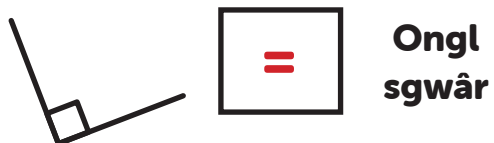
YDW I WEDI EI GURO?!



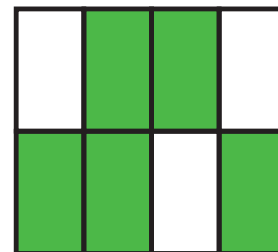
1 Ticiwch y llinell fertigol



4 Rhowch >, < neu = yn y blwch

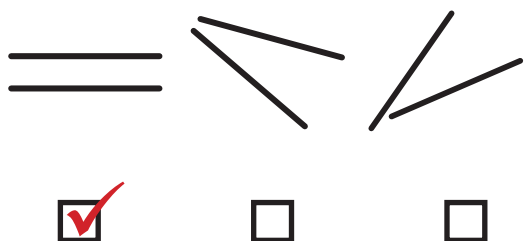


7 Ysgrifennwch fel ffracsiwn

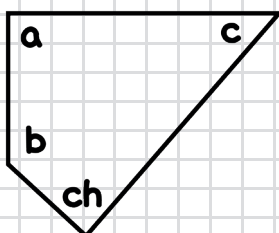


$$\frac{5}{8}$$

2 Ticiwch y llinellau cyflin

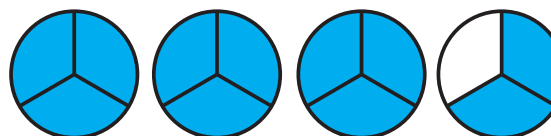


5



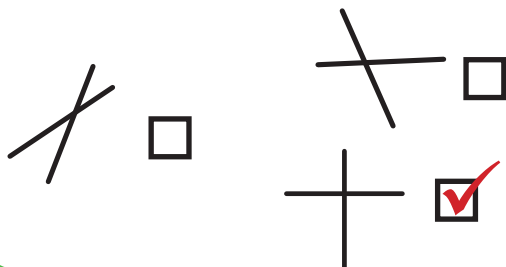
 a yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$$3 \frac{2}{3}$$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{5}{5} = 1 \quad \checkmark \quad \frac{2}{3} = 1 \quad \square$$

$$\frac{1}{3} = 1 \quad \square$$

9

$$\frac{5}{6} - \frac{4}{6} =$$

$$\frac{1}{6}$$

10

$$1 + 1 + \frac{1}{3} =$$

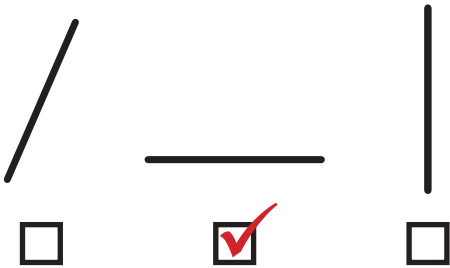
$$2 \frac{1}{3}$$

FY SGÔR DDIWETHAF?!

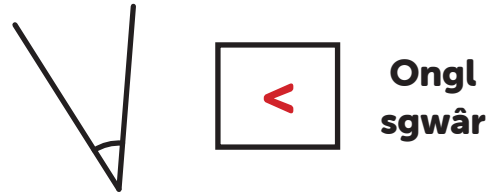
YDW I WEDI EI GURO?!



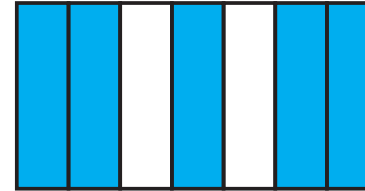
1 Ticiwch y llinell lorweddol



4 Rhowch $>$, $<$ neu $=$ yn y blwch

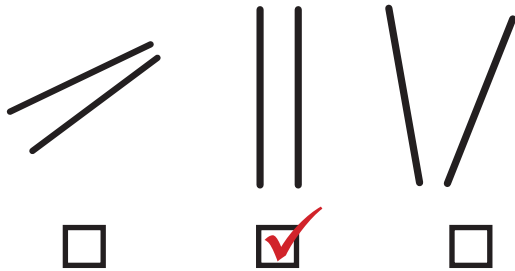


7 Ysgrifennwch fel ffracsiwn

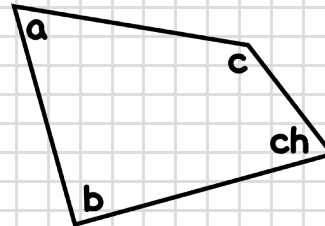


$$\frac{5}{7}$$

2 Ticiwch y llinellau cyflin

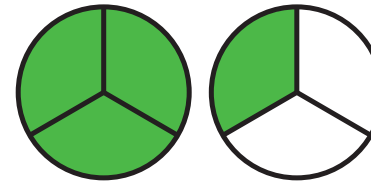


5



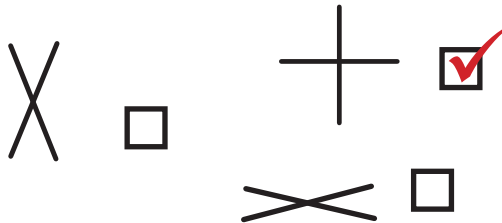
 b yw'r ongl sgwâr

8 Ysgrifennwch fel rhif cymysg



$$1 \frac{1}{3}$$

3 Ticiwch y llinellau perpendicwlar



6 Pa un sy'n gywir?

$$\frac{2}{2} = 1 \quad \checkmark \quad \frac{4}{5} = 1 \quad \square$$

$$\frac{3}{4} = 1 \quad \square$$

9

$$\frac{2}{8} + \frac{5}{8} =$$

$$\frac{7}{8}$$

10

$$4 + 3 + \frac{3}{4} =$$

$$7 \frac{3}{4}$$

FY SGÔR DDIWETHAF?!

YDW I WEDI EI GURO?!

