

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'

NAME:

CLASS:

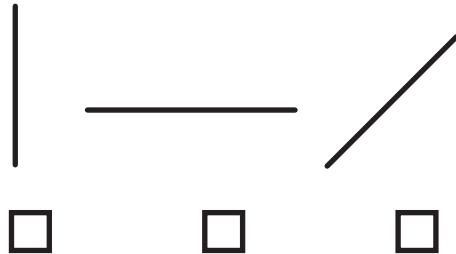
DATE:

SAFE 10

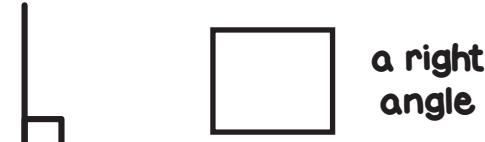
WK: 1

/10

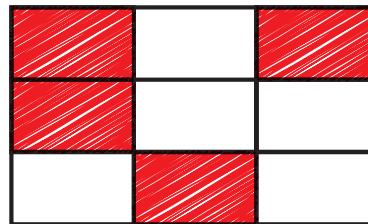
1 Tick the vertical line



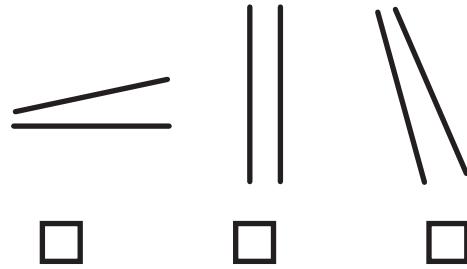
4 Write in >, <, or =



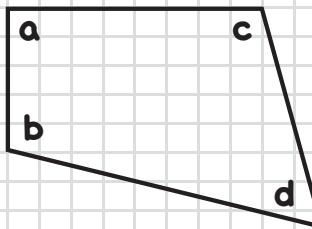
7 Write as a fraction



2 Tick the parallel lines

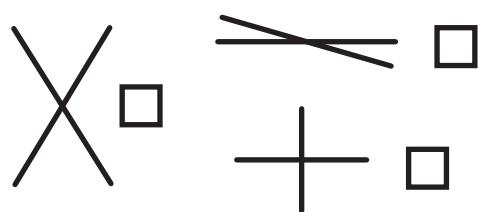


5



is a right angle

3 Tick the perpendicular lines



6

Tick which is true?

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

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

8 Write as a mixed number



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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

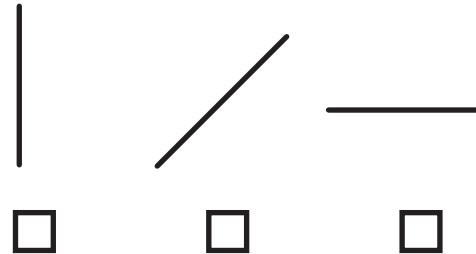
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SAFE 10

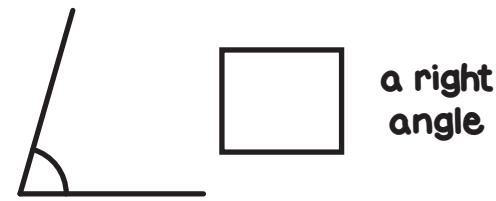
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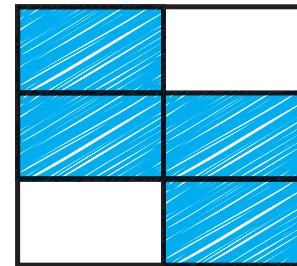
1 Tick the horizontal line



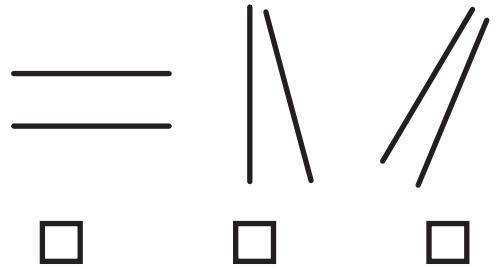
4 Write in >, <, or =



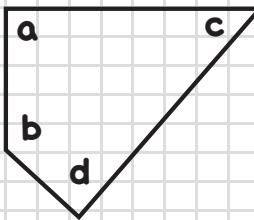
7 Write as a fraction



2 Tick the parallel lines

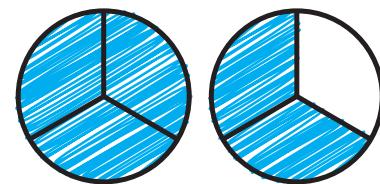


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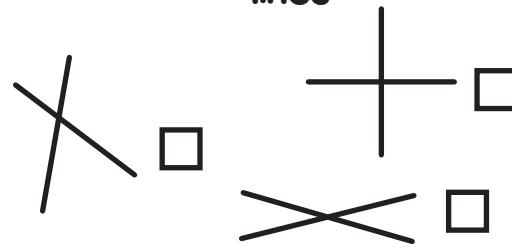


is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6

Tick which is true?

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

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

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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

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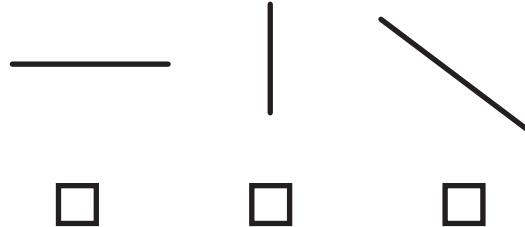
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SAFE 10

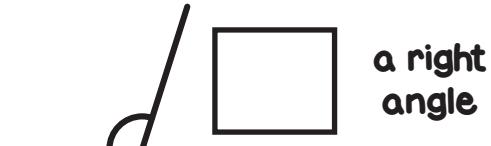
WK: 3

/10

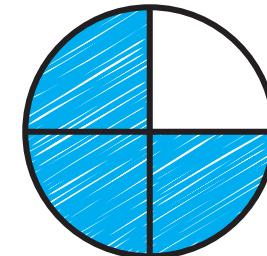
1 Tick the horizontal line



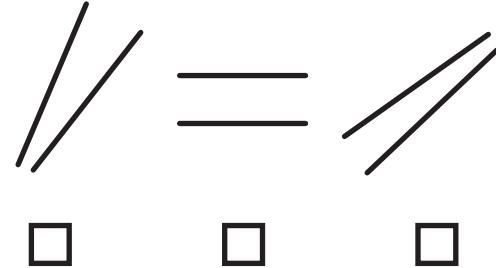
4 Write in >, <, or =



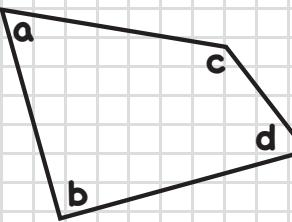
7 Write as a fraction



2 Tick the parallel lines

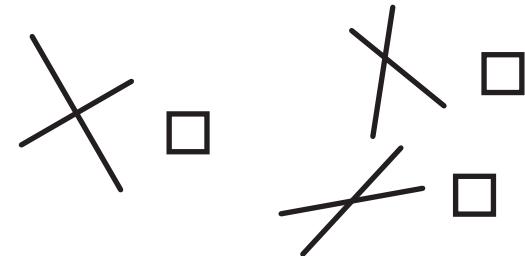


5



is a right angle

3 Tick the perpendicular lines



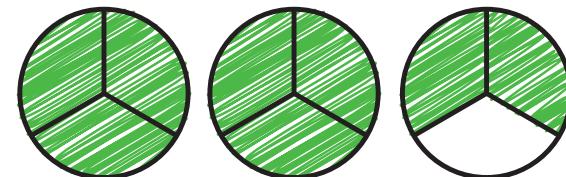
6

Tick which is true?

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

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

8 Write as a mixed number



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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

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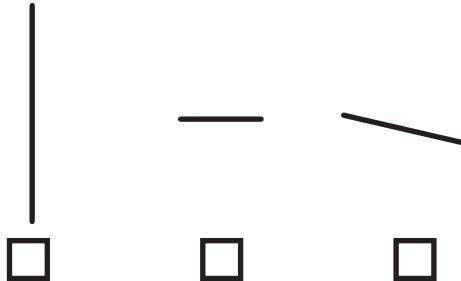
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SAFE 10

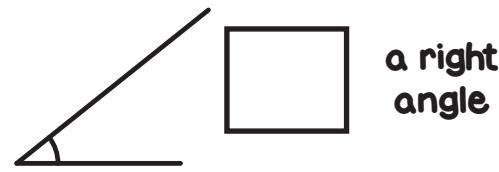
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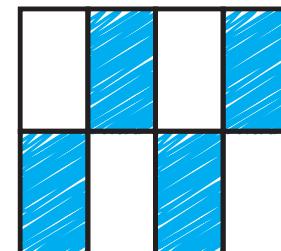
1 Tick the vertical line



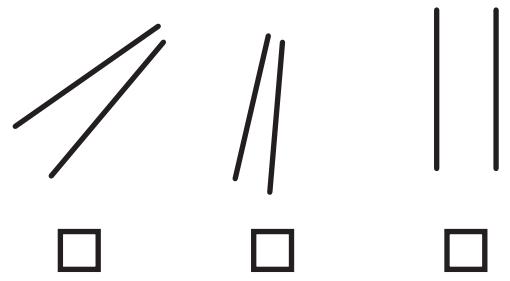
4 Write in >, <, or =



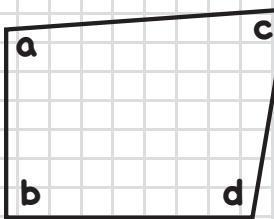
7 Write as a fraction



2 Tick the parallel lines

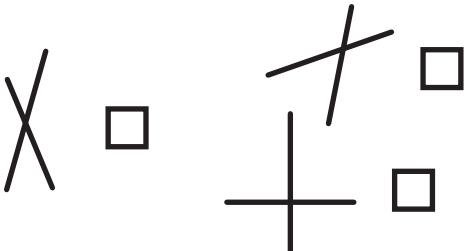


5



is a right angle

3 Tick the perpendicular lines



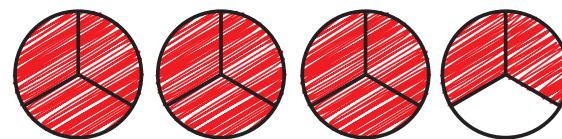
6

Tick which is true?

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

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

8 Write as a mixed number



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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

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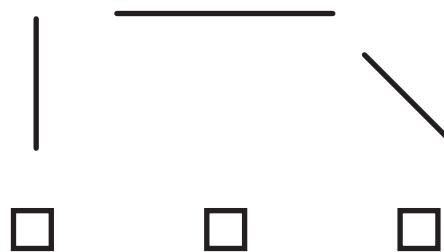
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SAFE 10

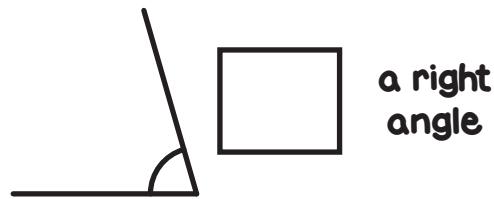
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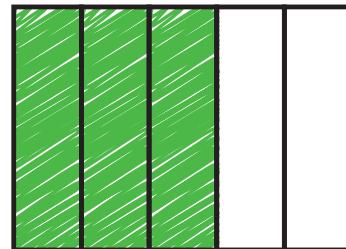
1 Tick the horizontal line



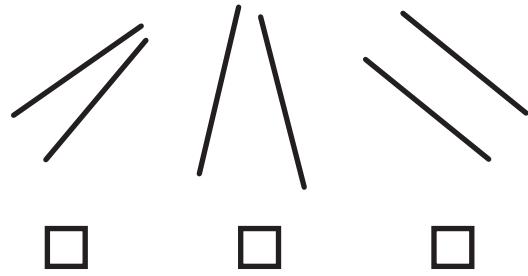
4 Write in >, <, or =



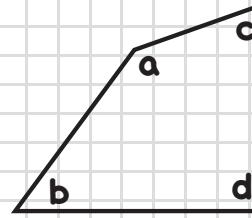
7 Write as a fraction



2 Tick the parallel lines

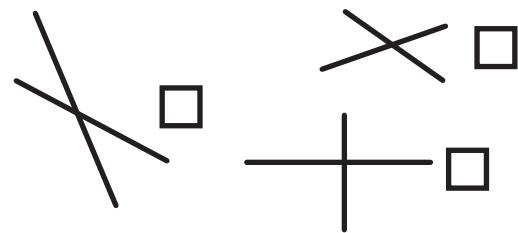


5



is a right angle

3 Tick the perpendicular lines



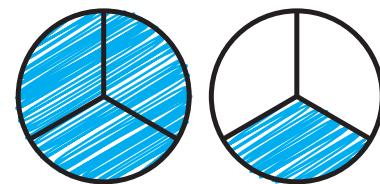
6

Tick which is true?

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

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

8 Write as a mixed number



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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

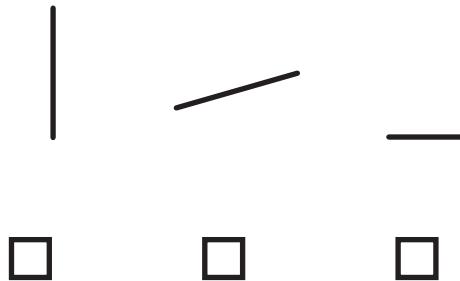
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SAFE 10

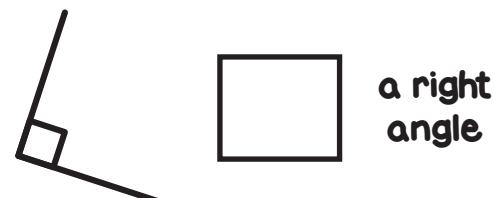
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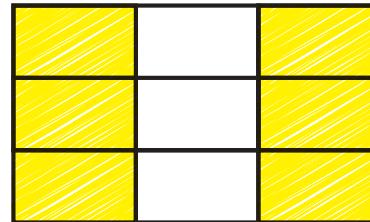
1 Tick the vertical line



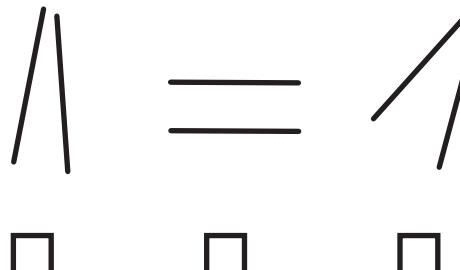
4 Write in >, <, or =



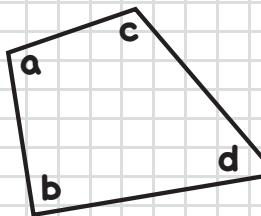
7 Write as a fraction



2 Tick the parallel lines

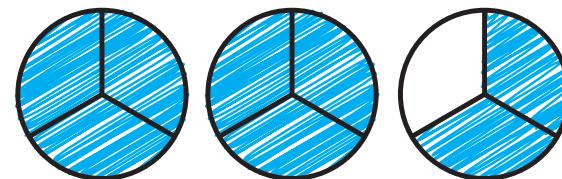


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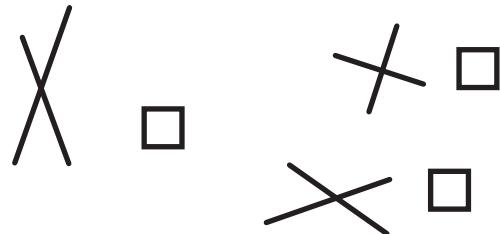


is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6

Tick which is true?

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

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

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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

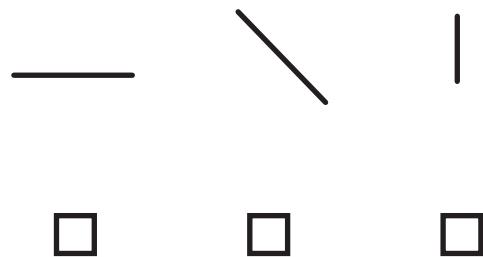
DATE:

SAFE 10

WK: 7

/10

1 Tick the horizontal line



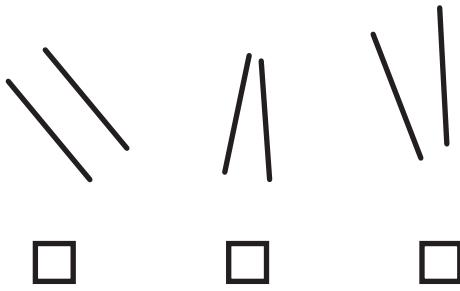
4 Write in >, <, or =



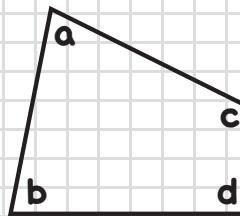
7 Write as a fraction



2 Tick the parallel lines

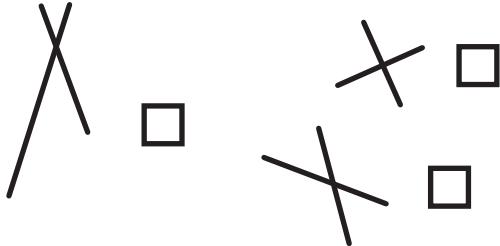


5



is a right angle

3 Tick the perpendicular lines



6

Tick which is true?

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

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

8 Write as a mixed number



$$9 \quad \frac{5}{6} - \frac{2}{6} =$$

$$10 \quad 1 + \frac{2}{5} + 6 =$$



MY LAST SCORE?!

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NAME:

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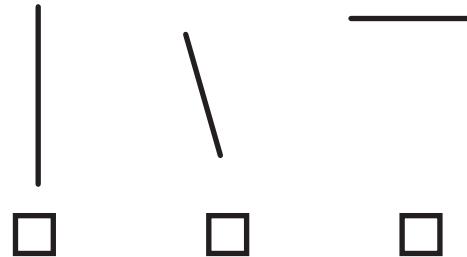
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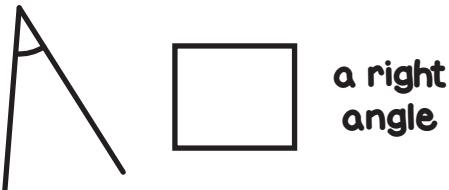
WK: 8

/10

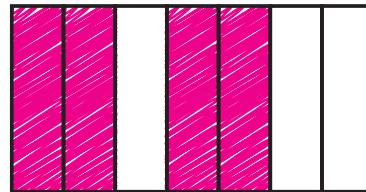
1 Tick the horizontal line



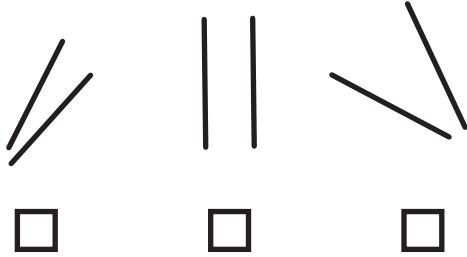
4 Write in >, <, or =



7 Write as a fraction



2 Tick the parallel lines

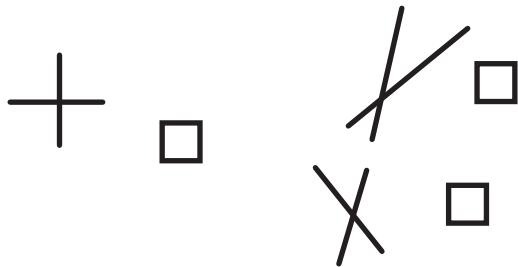


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is a right angle

3 Tick the perpendicular lines



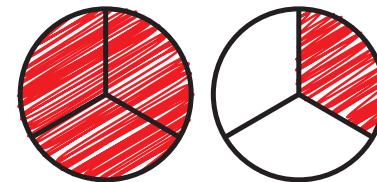
6

Tick which is true?

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

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

8 Write as a mixed number



9

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

10

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



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

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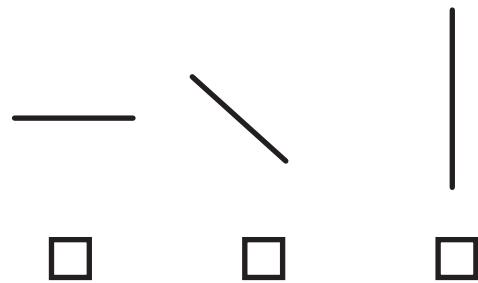
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SAFE 10

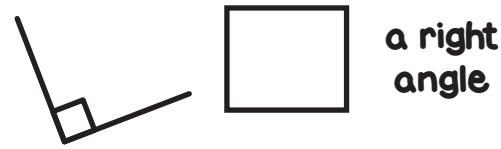
WK:9

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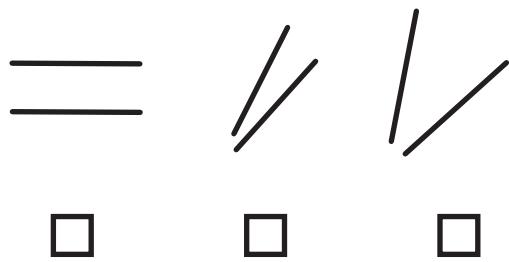
1 Tick the vertical line



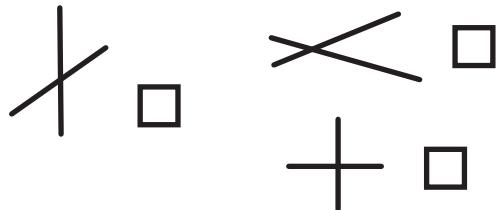
4 Write in >, <, or =



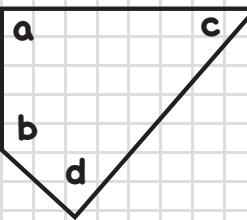
2 Tick the parallel lines



3 Tick the perpendicular lines



5



is a right angle

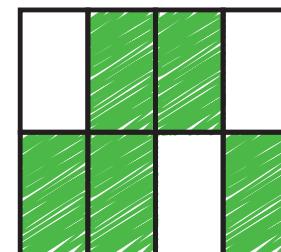
6

Tick which is true?

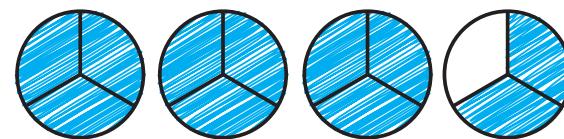
$$\frac{5}{5} = 1 \quad \square \quad \frac{2}{3} = 1 \quad \square$$

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

7 Write as a fraction



8 Write as a mixed number



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

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



MY LAST SCORE?!

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NAME:

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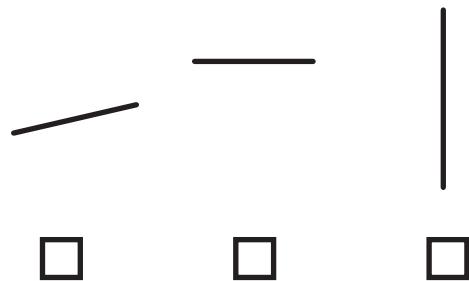
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SAFE 10

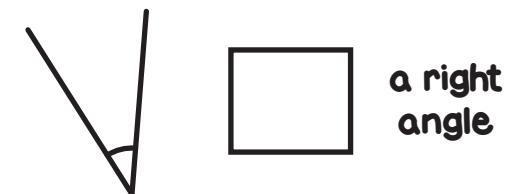
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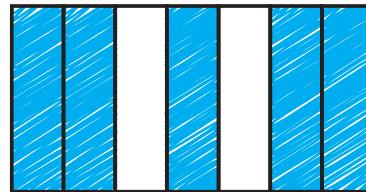
1 Tick the horizontal line



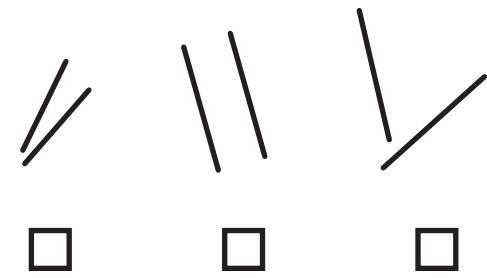
4 Write in >, <, or =



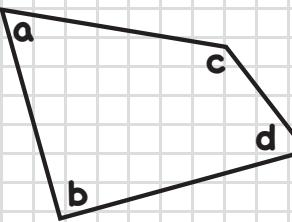
7 Write as a fraction



2 Tick the parallel lines

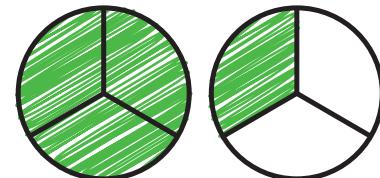


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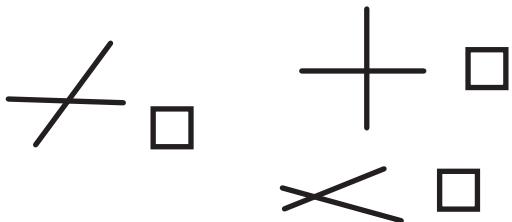


is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6

Tick which is true?

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

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

9

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

10

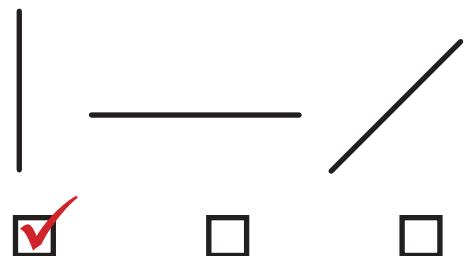
$$4 + 3 + \frac{3}{4} =$$



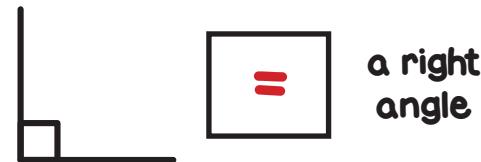
MY LAST SCORE?!

HAVE I BEAT THAT?!

1 Tick the vertical line

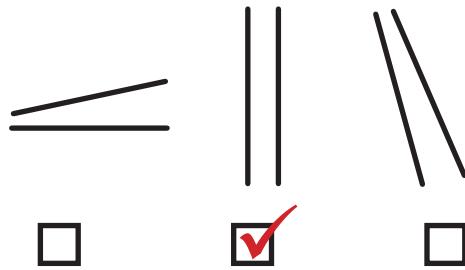


4 Write in >, <, or =

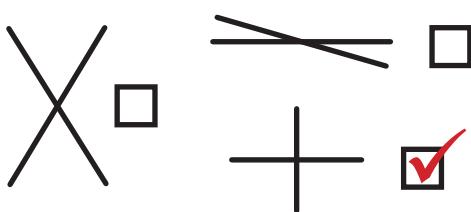


a right angle

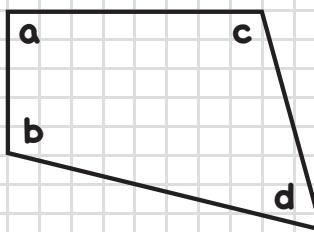
2 Tick the parallel lines



3 Tick the perpendicular lines



5



a is a right angle

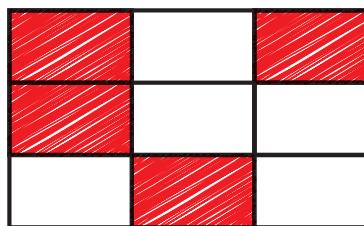
6

Tick which is true?

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

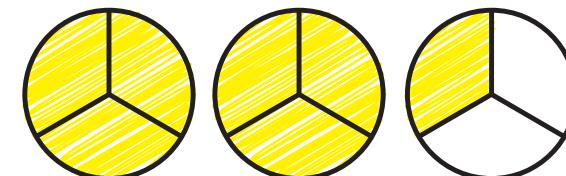
$$\frac{4}{4} = 1 \quad \checkmark$$

7 Write as a fraction



$$\frac{4}{9}$$

8 Write as a mixed number



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

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

$$\frac{5}{9}$$

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

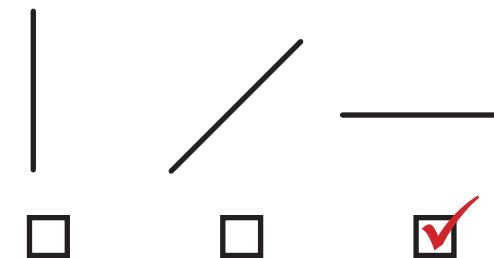
$$8 \frac{2}{5}$$



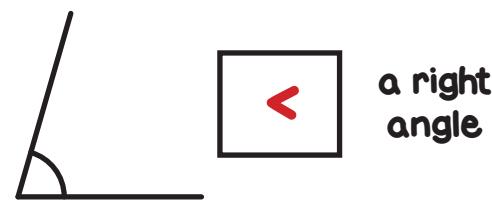
MY LAST SCORE?!

HAVE I BEAT THAT?!

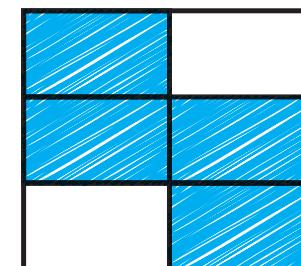
1 Tick the horizontal line



4 Write in >, <, or =

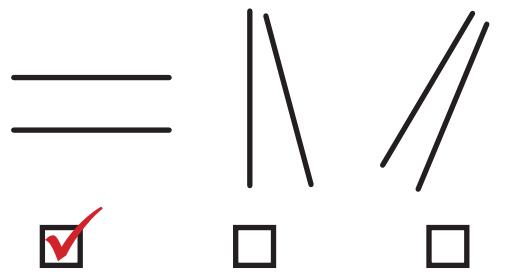


7 Write as a fraction

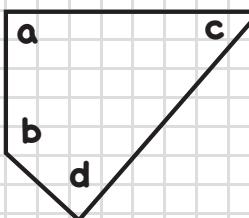


$\frac{4}{6}$

2 Tick the parallel lines

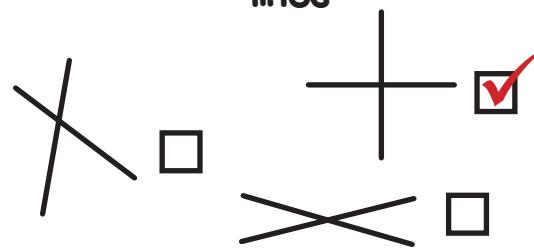


5



a is a right angle

3 Tick the perpendicular lines



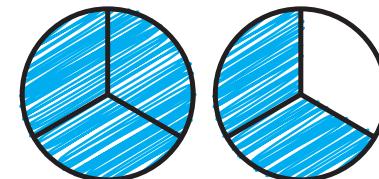
6

Tick which is true?

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

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

8 Write as a mixed number



$1 \frac{2}{3}$

9 $\frac{4}{7} + \frac{2}{7} =$

$\frac{6}{7}$

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

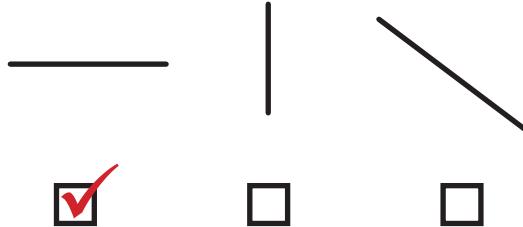
$3 \frac{1}{2}$



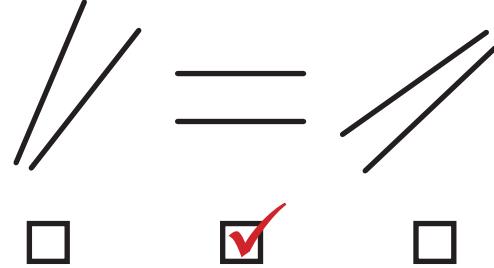
MY LAST SCORE?!

HAVE I BEAT THAT?!

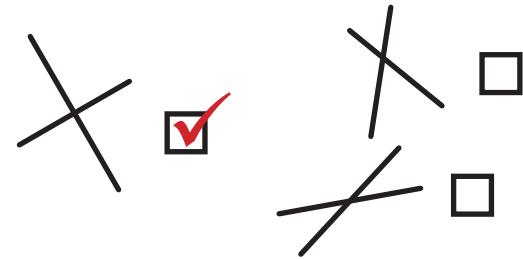
1 Tick the horizontal line



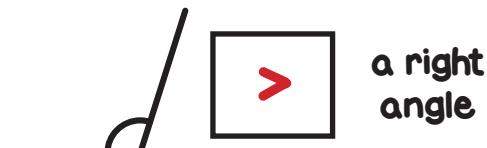
2 Tick the parallel lines



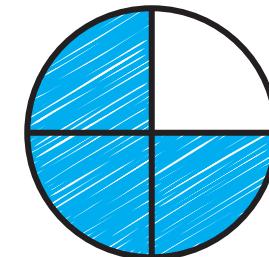
3 Tick the perpendicular lines



4 Write in >, <, or =

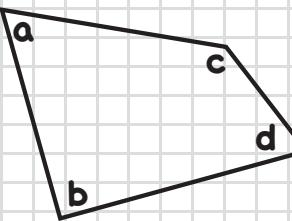


7 Write as a fraction



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

5



b is a right angle

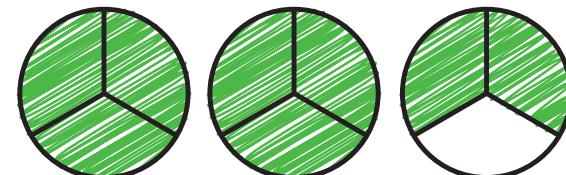
6

Tick which is true?

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

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

8 Write as a mixed number



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

9

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

$$\frac{2}{6}$$

10

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

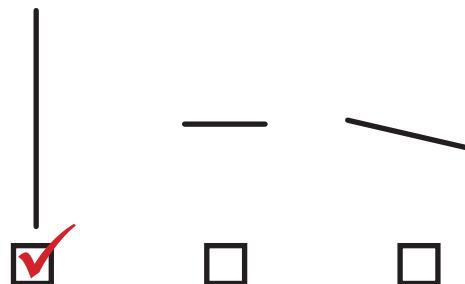
$$9 \frac{2}{3}$$



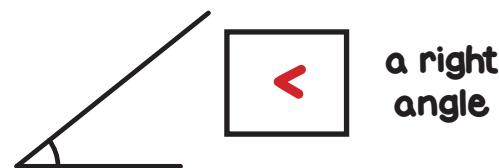
MY LAST SCORE?!

HAVE I BEAT THAT?!

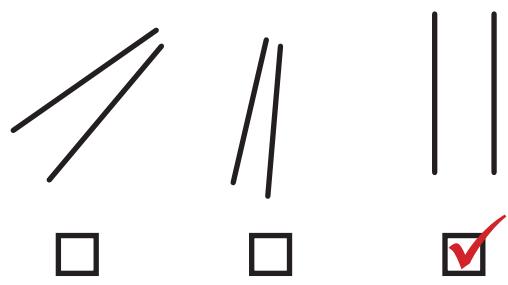
1 Tick the vertical line



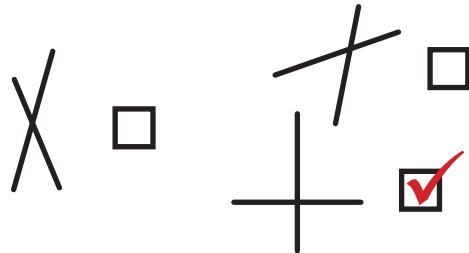
4 Write in >, <, or =



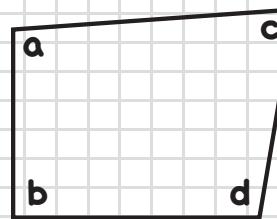
2 Tick the parallel lines



3 Tick the perpendicular lines



5



b is a right angle

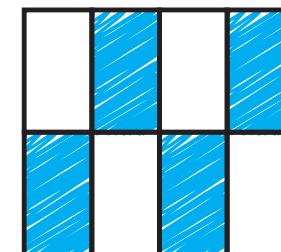
6

Tick which is true?

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

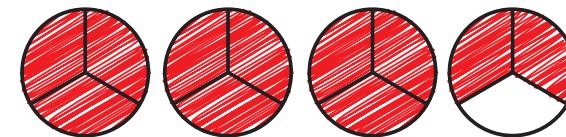
$$\frac{4}{4} = 1 \quad \checkmark$$

7 Write as a fraction



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

8 Write as a mixed number



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

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

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

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

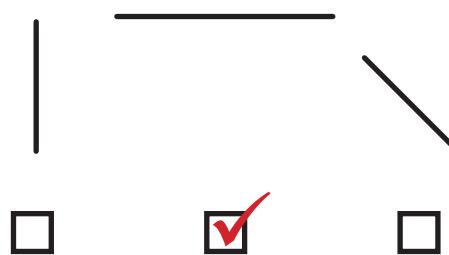
$$5 \frac{3}{5}$$



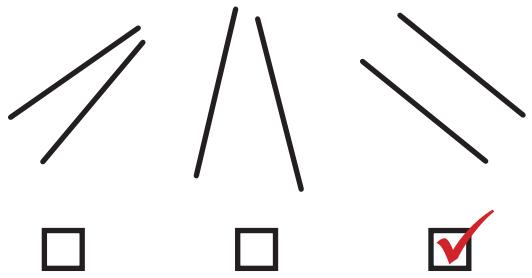
MY LAST SCORE?!

HAVE I BEAT THAT?!

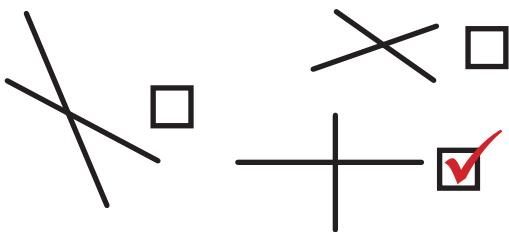
1 Tick the horizontal line



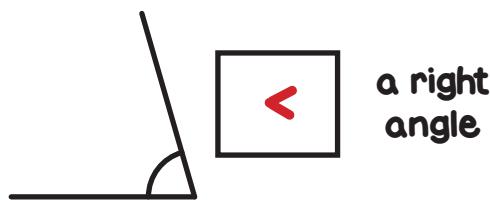
2 Tick the parallel lines



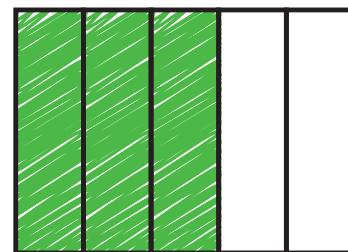
3 Tick the perpendicular lines



4 Write in $>$, $<$, or $=$

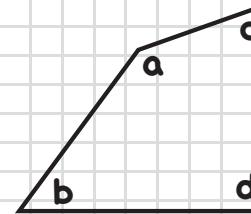


7 Write as a fraction



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

5



d is a right angle

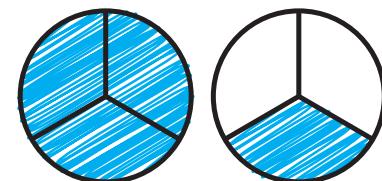
6

Tick which is true?

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

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

8 Write as a mixed number



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

9

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

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

10

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

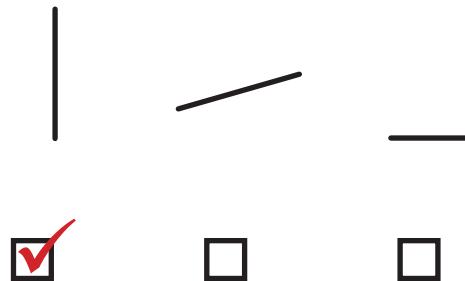
$$4 \frac{1}{4}$$



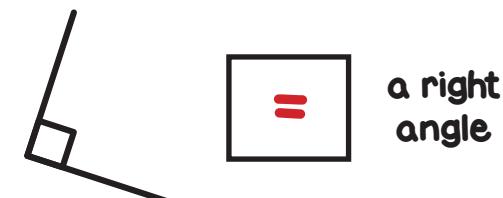
MY LAST SCORE?!

HAVE I BEAT THAT?!

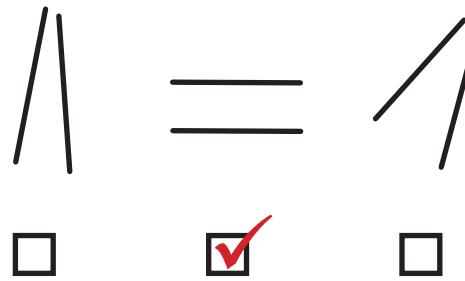
1 Tick the vertical line



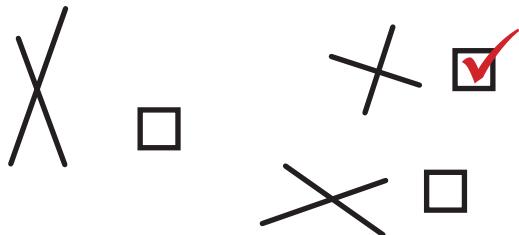
4 Write in >, <, or =



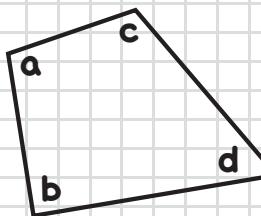
2 Tick the parallel lines



3 Tick the perpendicular lines



5



b is a right angle

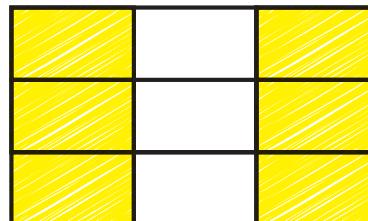
6

Tick which is true?

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

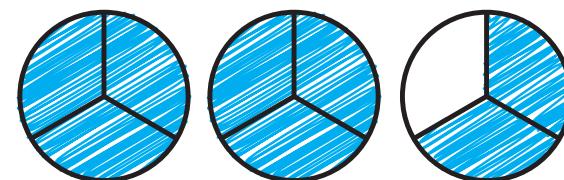
$$\frac{3}{4} = 1 \quad \square$$

7 Write as a fraction



$$\frac{6}{9}$$

8 Write as a mixed number



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

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

$$\frac{2}{9}$$

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

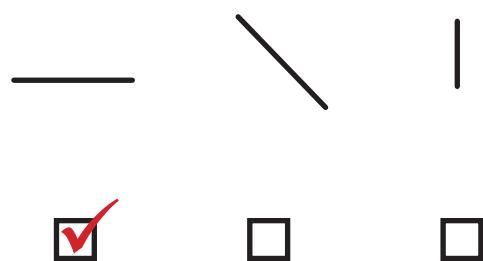
$$5 \frac{1}{3}$$



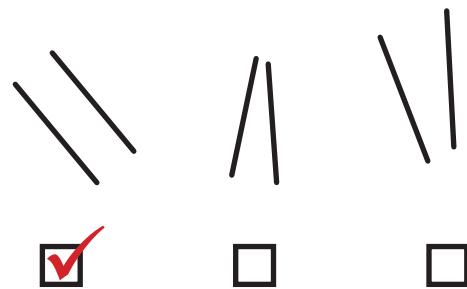
MY LAST SCORE?!

HAVE I BEAT THAT?!

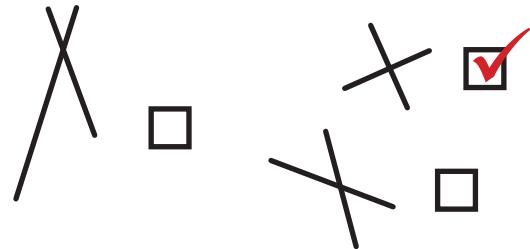
1 Tick the horizontal line



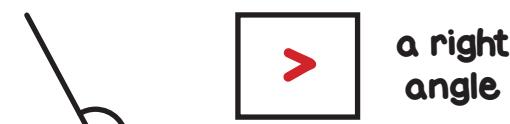
2 Tick the parallel lines



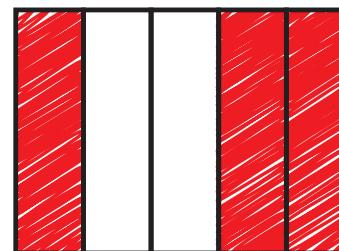
3 Tick the perpendicular lines



4 Write in >, <, or =

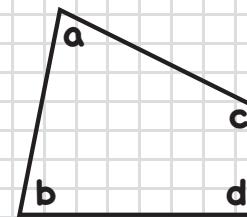
>
a right angle

7 Write as a fraction



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

5



d is a right angle

6

Tick which is true?

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

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

8 Write as a mixed number



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

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

$$\frac{3}{6}$$

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

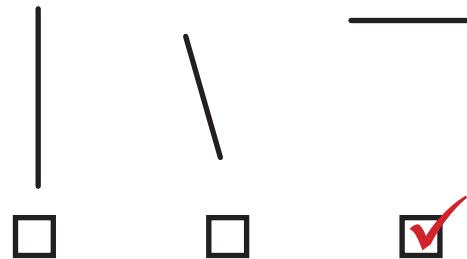
$$7 \frac{2}{5}$$



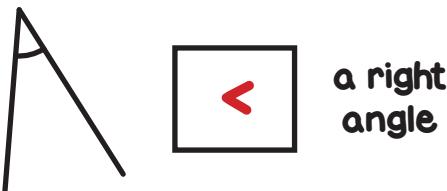
MY LAST SCORE?!

HAVE I BEAT THAT?!

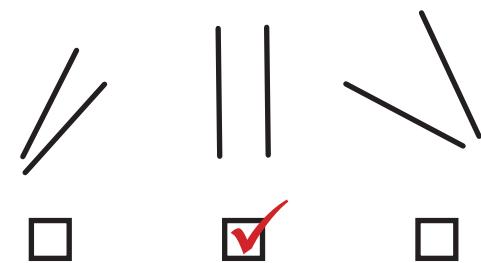
1 Tick the horizontal line



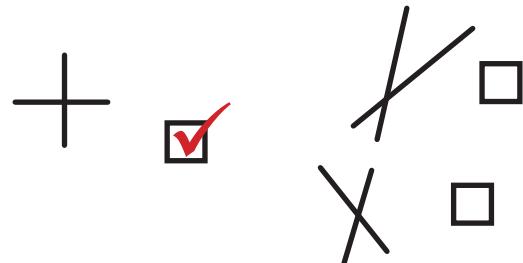
4 Write in $>$, $<$, or $=$



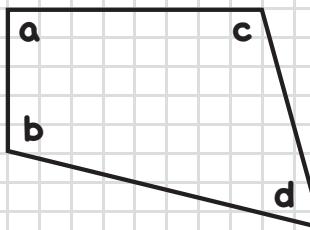
2 Tick the parallel lines



3 Tick the perpendicular lines



5



a is a right angle

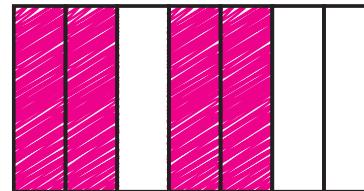
6

Tick which is true?

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

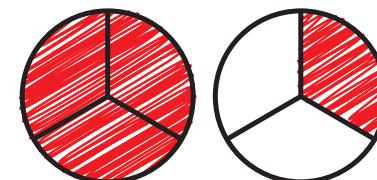
$$\frac{3}{3} = 1 \quad \checkmark$$

7 Write as a fraction



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

8 Write as a mixed number



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

9

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

$$\frac{5}{9}$$

10

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

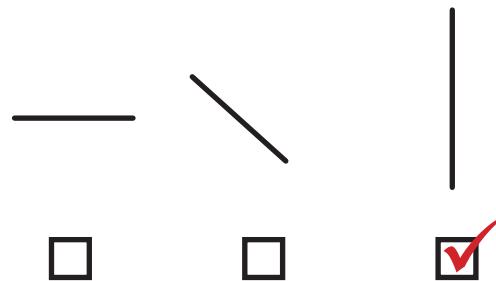
$$4 \frac{1}{4}$$



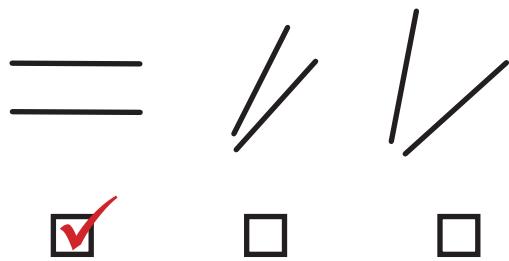
MY LAST SCORE?!

HAVE I BEAT THAT?!

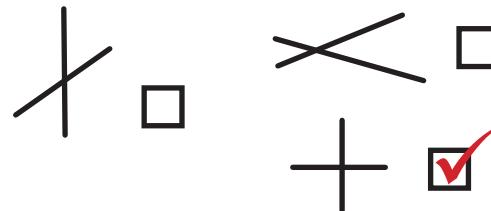
1 Tick the vertical line



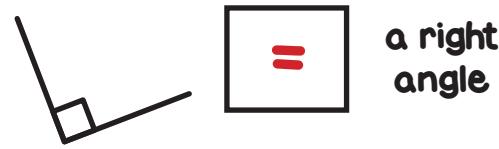
2 Tick the parallel lines



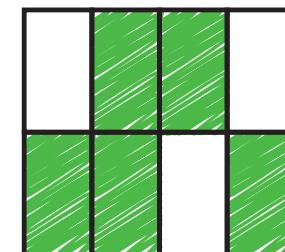
3 Tick the perpendicular lines



4 Write in $>$, $<$, or $=$

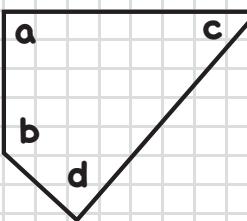


7 Write as a fraction



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

5



a is a right angle

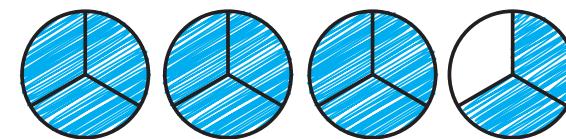
6

Tick which is true?

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

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

8 Write as a mixed number



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

9

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

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

10

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

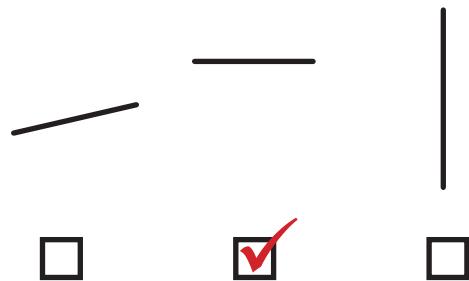
$$2 \frac{1}{3}$$



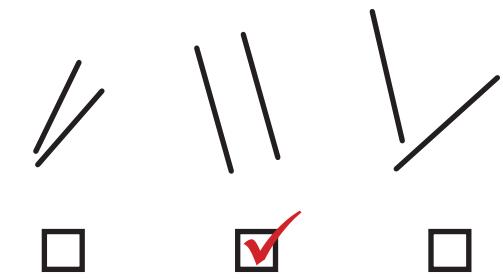
MY LAST SCORE?!

HAVE I BEAT THAT?!

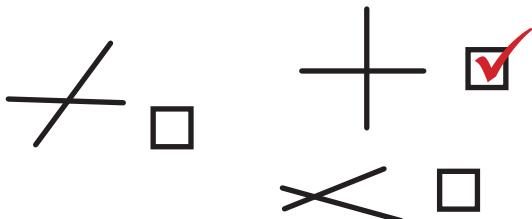
1 Tick the horizontal line



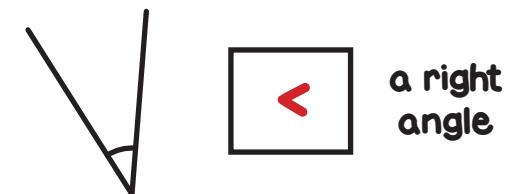
2 Tick the parallel lines



3 Tick the perpendicular lines

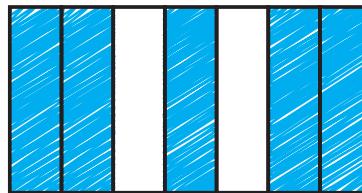


4 Write in >, <, or =



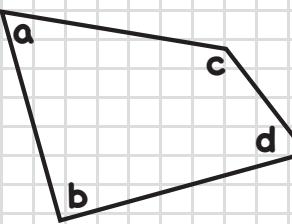
a right angle

7 Write as a fraction



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

5



b is a right angle

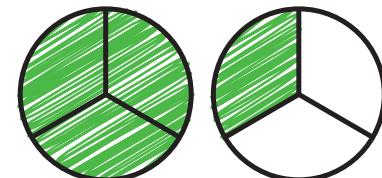
6

Tick which is true?

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

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

8 Write as a mixed number



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

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

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

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

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



MY LAST SCORE?!

HAVE I BEAT THAT?!