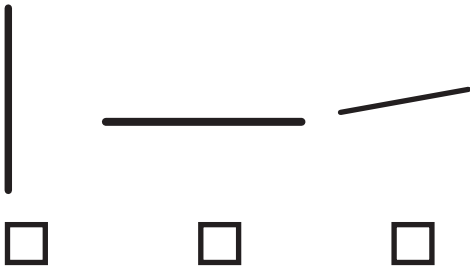


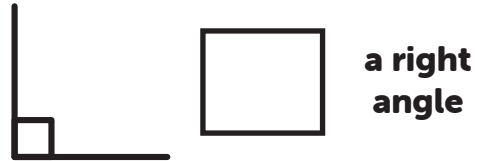
Big Maths Beat That!: Teacher Notes

| 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' |

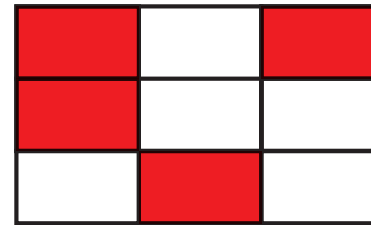
1 Tick the vertical line



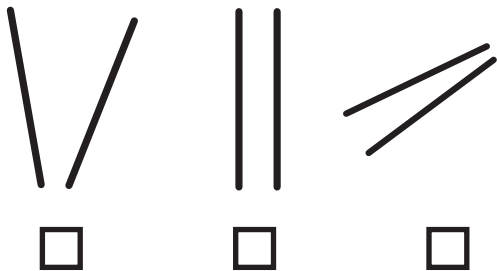
4 Write in $>$, $<$, or $=$



7 Write as a fraction



2 Tick the parallel lines

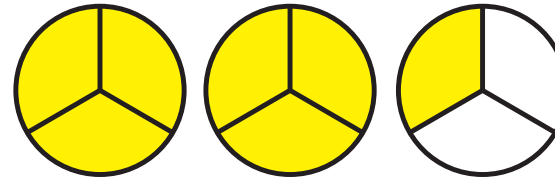


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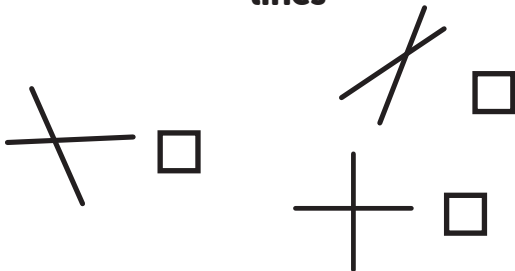


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

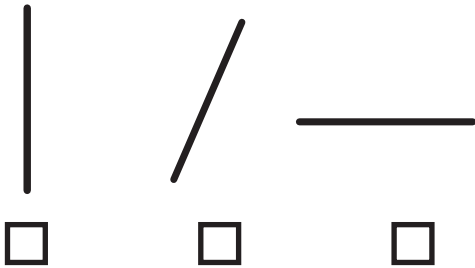
$$3 + \frac{2}{5} + 5 =$$

MY LAST SCORE?!

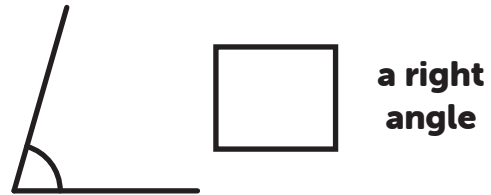
HAVE I BEAT THAT?!



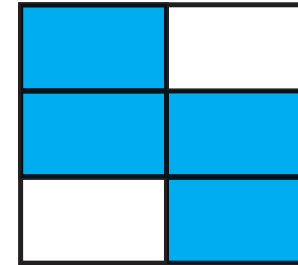
1 Tick the horizontal line



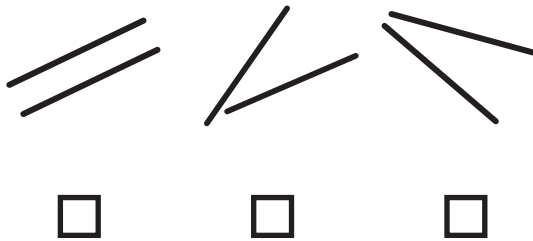
4 Write in >, <, or =



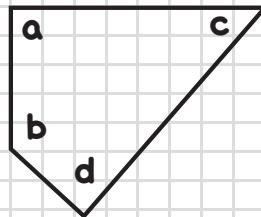
7 Write as a fraction



2 Tick the parallel lines

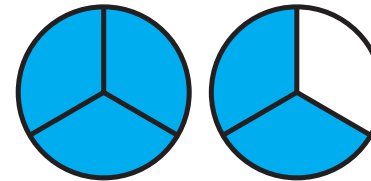


5

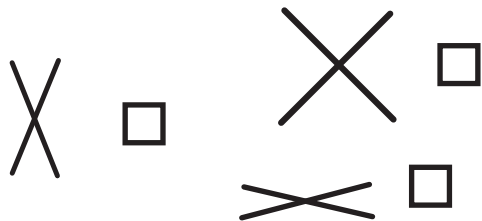


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

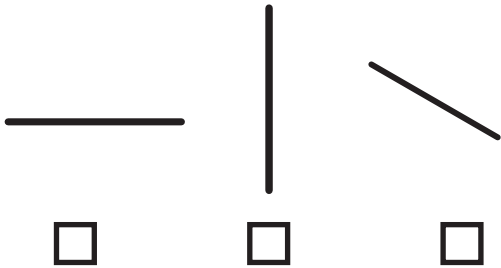
$$2 + \frac{1}{2} + 1 =$$

MY LAST SCORE?!

HAVE I BEAT THAT?!



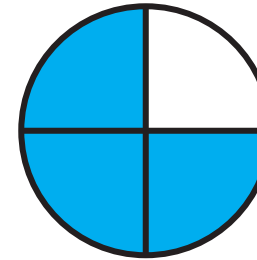
1 Tick the horizontal line



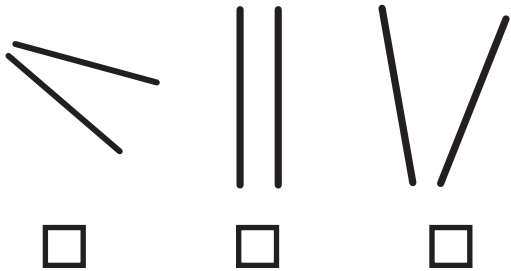
4 Write in >, <, or =



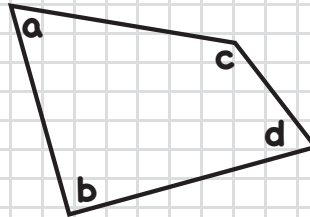
7 Write as a fraction



2 Tick the parallel lines

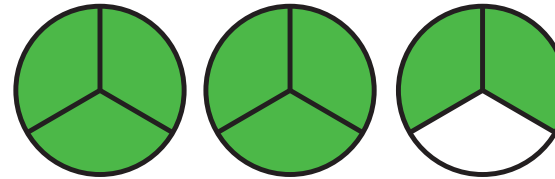


5

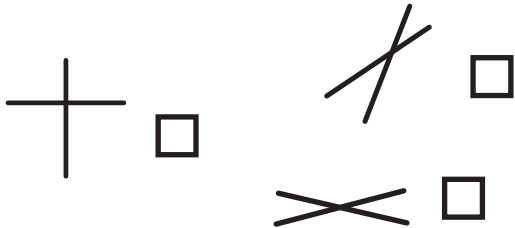


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

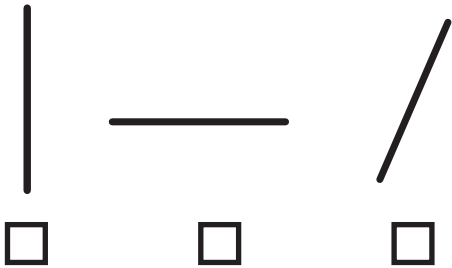
$$7 + 2 + \frac{2}{3} =$$

MY LAST SCORE?!

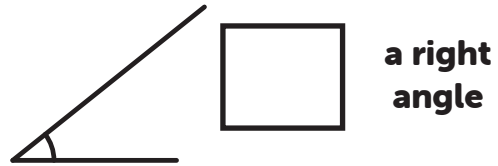
HAVE I BEAT THAT?!



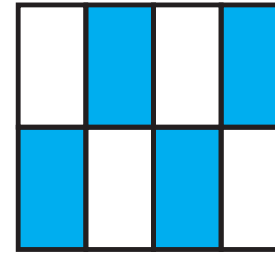
1 Tick the vertical line



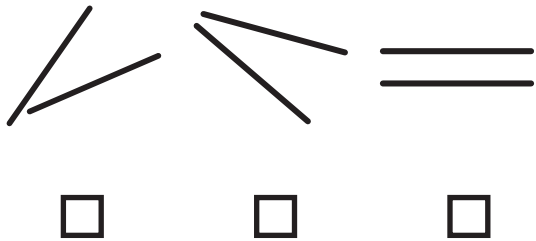
4 Write in >, <, or =



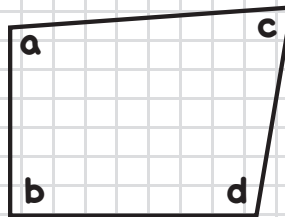
7 Write as a fraction



2 Tick the parallel lines

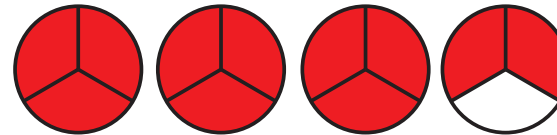


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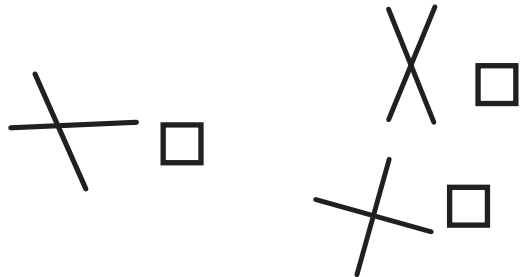


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

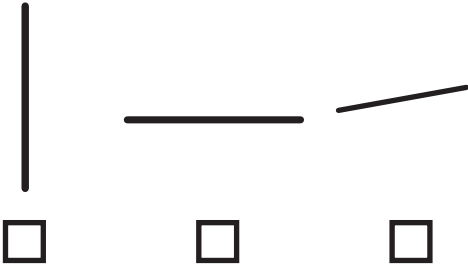
$$2 + 3 + \frac{3}{5} =$$

MY LAST SCORE?!

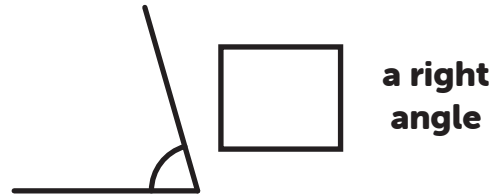
HAVE I BEAT THAT?!



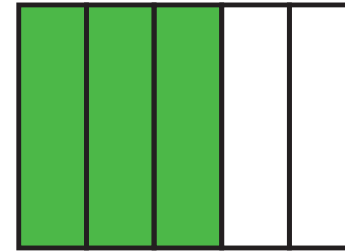
1 Tick the horizontal line



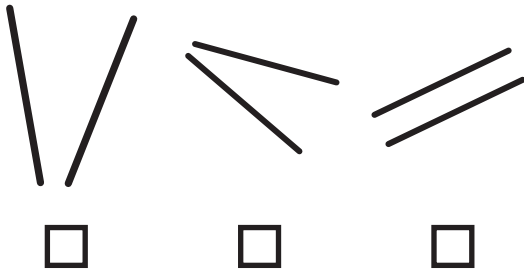
4 Write in >, <, or =



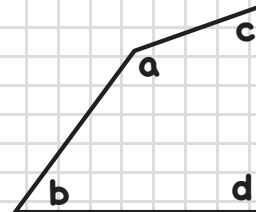
7 Write as a fraction



2 Tick the parallel lines

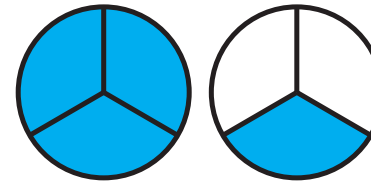


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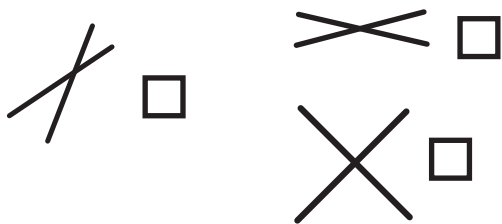


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

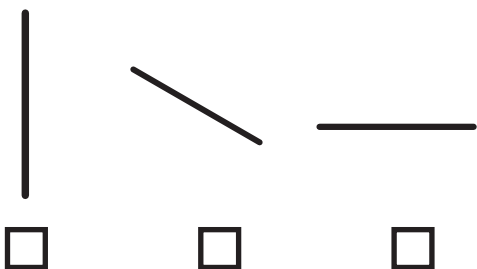
$$\frac{1}{4} + 1 + 3 =$$

MY LAST SCORE?!

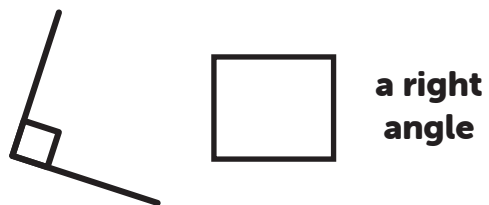
HAVE I BEAT THAT?!



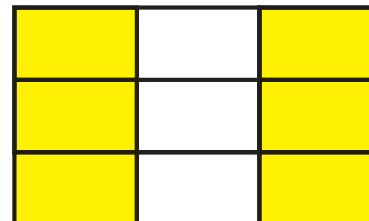
1 Tick the vertical line



4 Write in >, <, or =



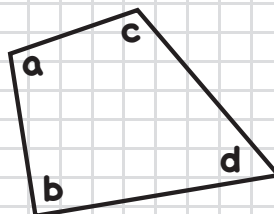
7 Write as a fraction



2 Tick the parallel lines

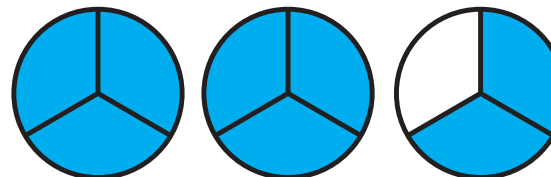


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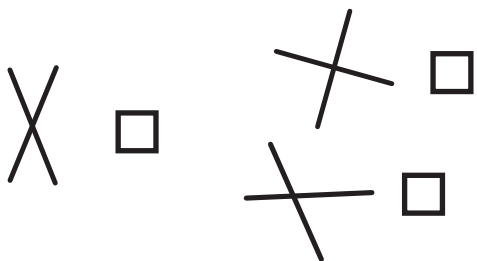


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

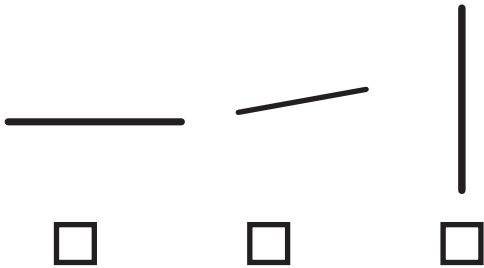
$$\frac{1}{3} + 3 + 2 =$$

MY LAST SCORE?!

HAVE I BEAT THAT?!



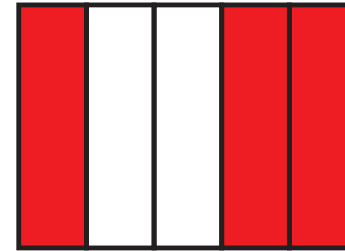
1 Tick the horizontal line



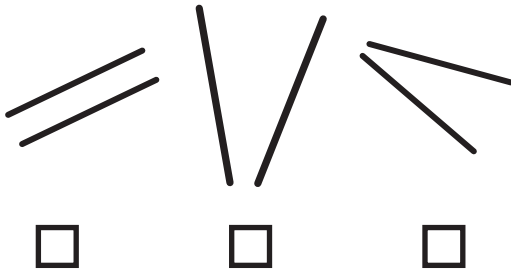
4 Write in $>$, $<$, or $=$



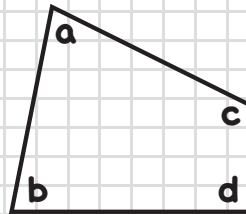
7 Write as a fraction



2 Tick the parallel lines

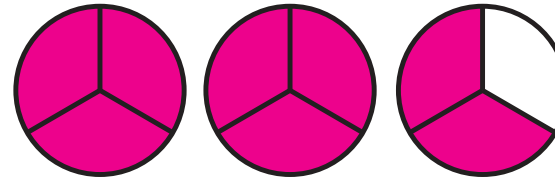


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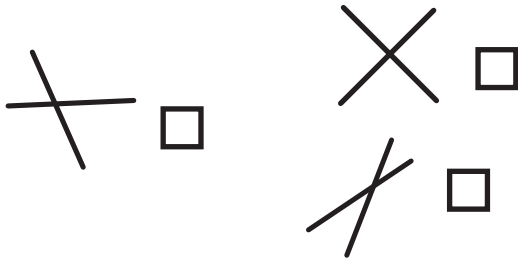


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

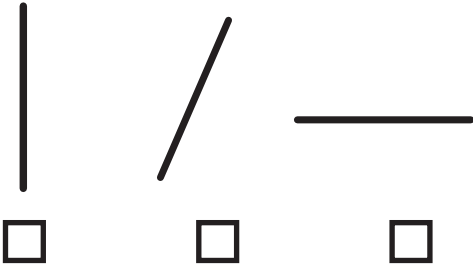
$$1 + \frac{2}{5} + 6 =$$

MY LAST SCORE?!

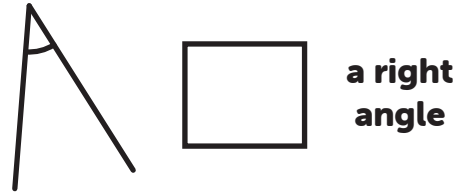
HAVE I BEAT THAT?!



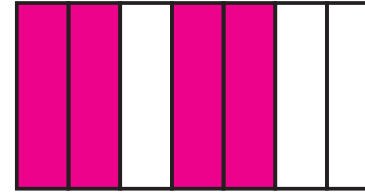
1 Tick the horizontal line



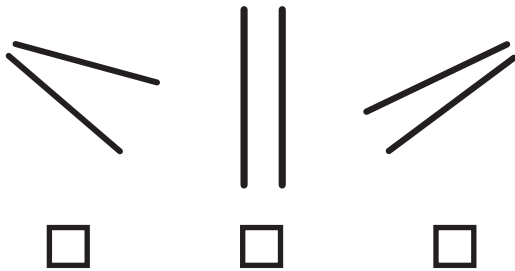
4 Write in >, <, or =



7 Write as a fraction



2 Tick the parallel lines

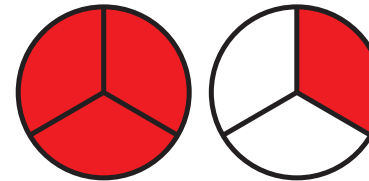


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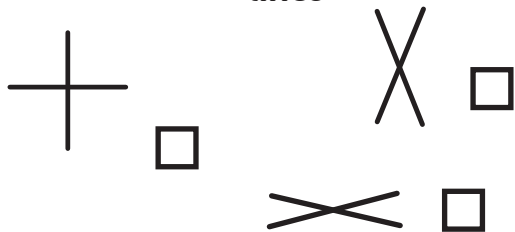


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

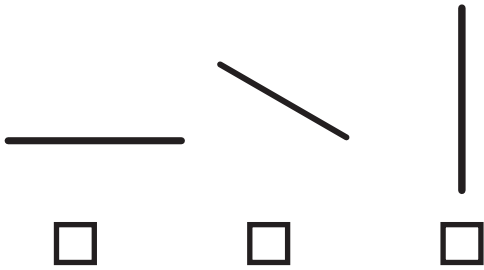
$$2 + \frac{1}{4} + 2 =$$

MY LAST SCORE?!

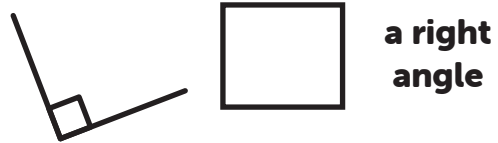
HAVE I BEAT THAT?!



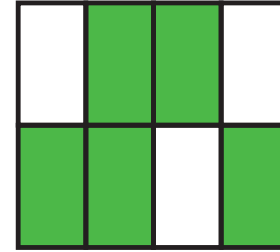
1 Tick the vertical line



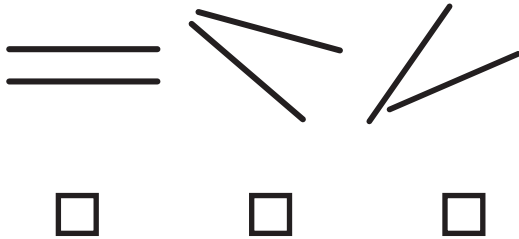
4 Write in >, <, or =



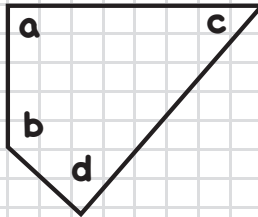
7 Write as a fraction



2 Tick the parallel lines

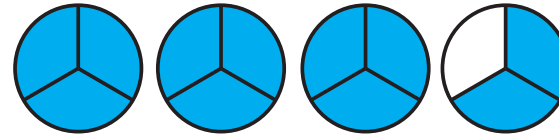


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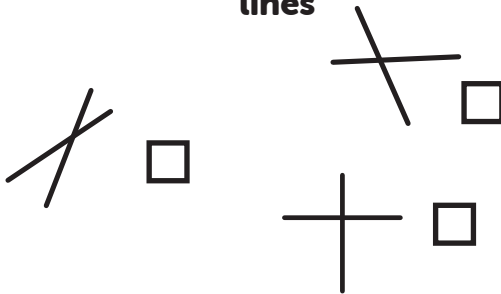


_____ is a right angle

8 Write as a mixed number



3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

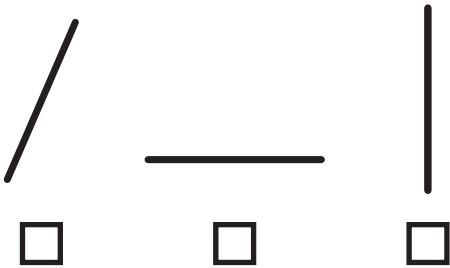
$$1 + 1 + \frac{1}{3} =$$

MY LAST SCORE?!

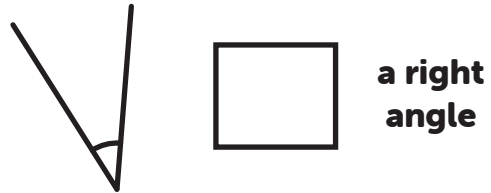
HAVE I BEAT THAT?!



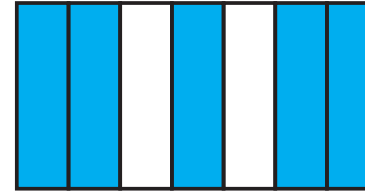
1 Tick the horizontal line



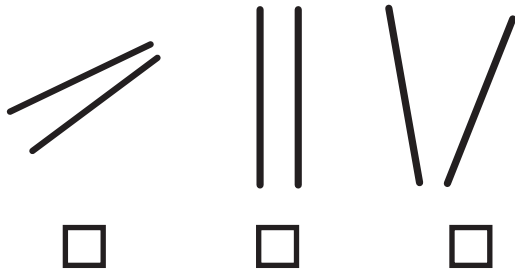
4 Write in >, <, or =



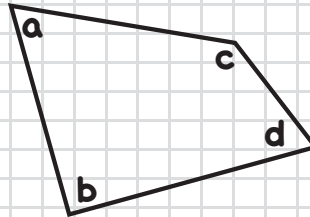
7 Write as a fraction



2 Tick the parallel lines

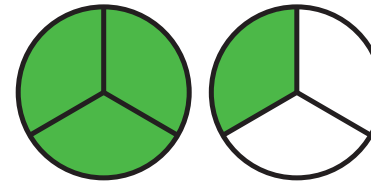


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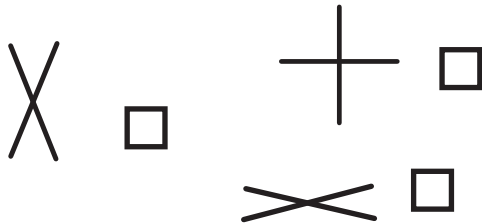


_____ is a right angle

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?!



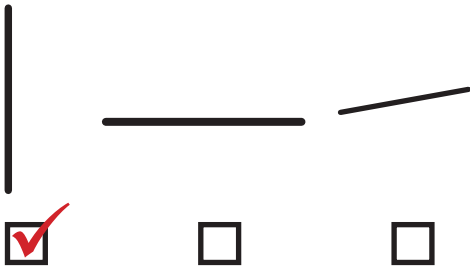
ANSWERS

SAFE 10

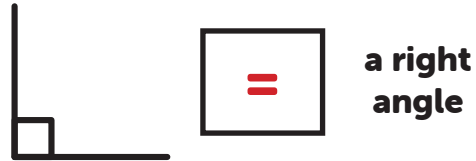
SET: 1

/10

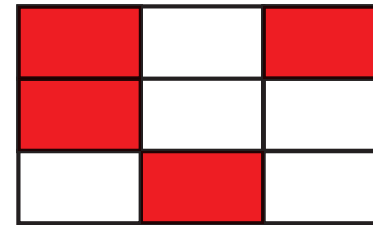
1 Tick the vertical line



4 Write in >, <, or =

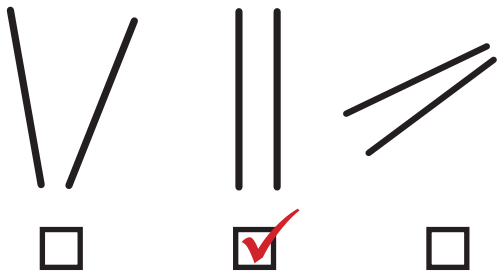


7 Write as a fraction



$\frac{4}{9}$

2 Tick the parallel lines

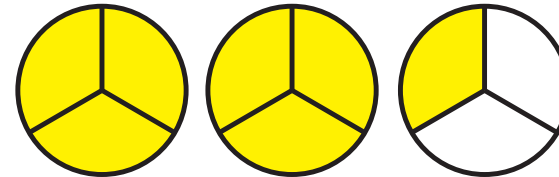


5



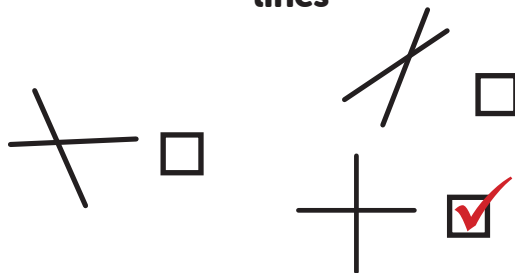
a is a right angle

8 Write as a mixed number



$2 \frac{1}{3}$

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

$\frac{5}{9}$

10

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

$8 \frac{2}{5}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



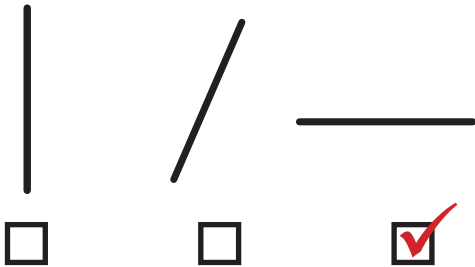
ANSWERS

SAFE 10

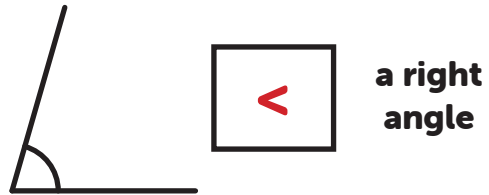
SET: 2

/10

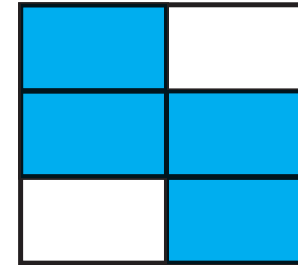
1 Tick the horizontal line



4 Write in >, <, or =

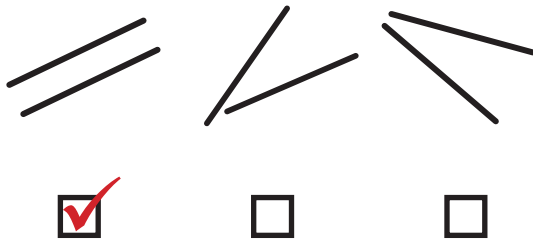


7 Write as a fraction

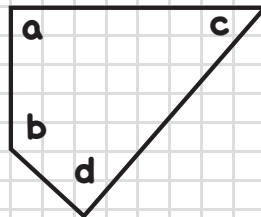


$$\frac{4}{6}$$

2 Tick the parallel lines

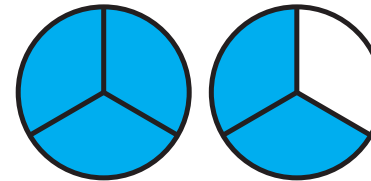


5



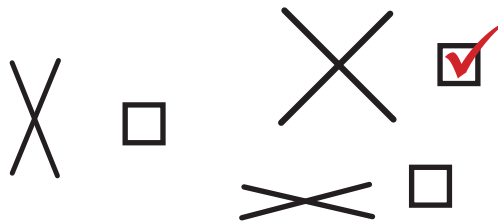
a is a right angle

8 Write as a mixed number



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

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

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

10

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

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

MY LAST SCORE?!

HAVE I BEAT THAT?!



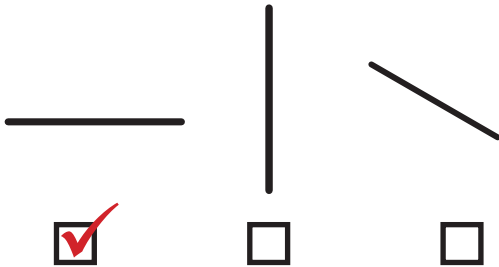
ANSWERS

SAFE 10

SET: 3

/10

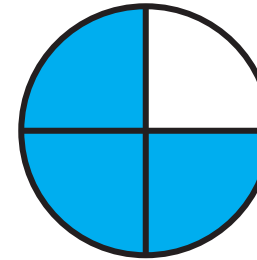
1 Tick the horizontal line



4 Write in >, <, or =

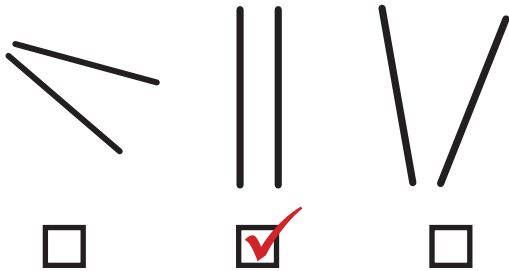


7 Write as a fraction

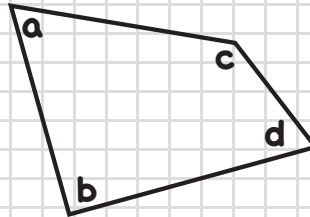


$\frac{3}{4}$

2 Tick the parallel lines

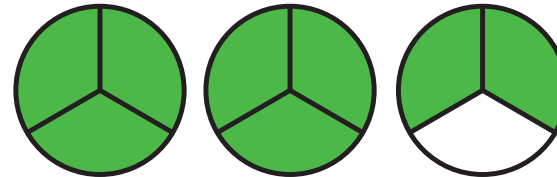


5



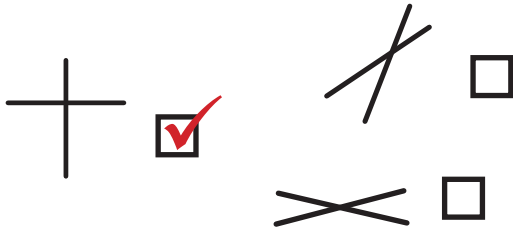
b is a right angle

8 Write as a mixed number



$2 \frac{2}{3}$

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

$\frac{2}{6}$

10

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

$9 \frac{2}{3}$



MY LAST SCORE?!

HAVE I BEAT THAT?!



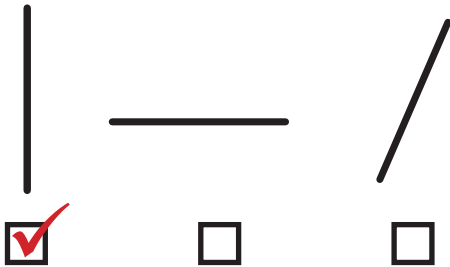
ANSWERS

SAFE 10

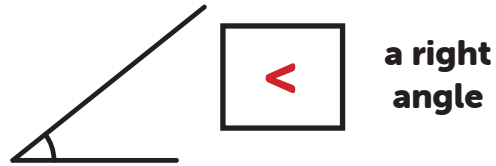
SET: 4

/10

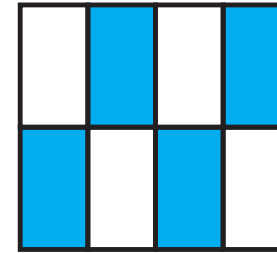
1 Tick the vertical line



4 Write in >, <, or =

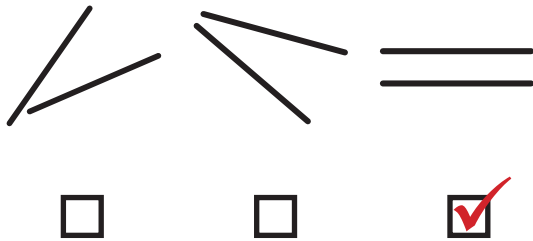


7 Write as a fraction

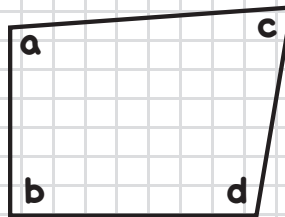


$\frac{4}{8}$

2 Tick the parallel lines

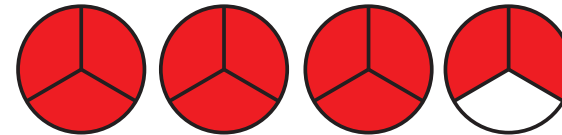


5



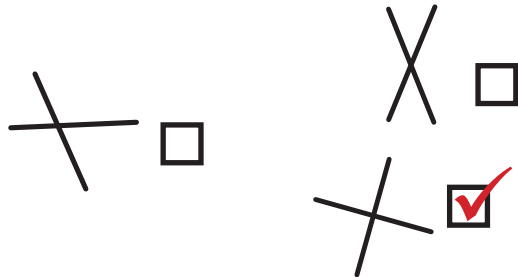
b is a right angle

8 Write as a mixed number



$3 \frac{2}{3}$

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

$\frac{5}{8}$

10

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

$5 \frac{3}{5}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



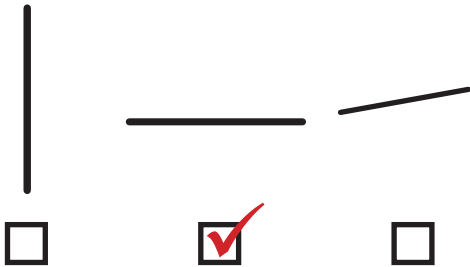
ANSWERS

SAFE 10

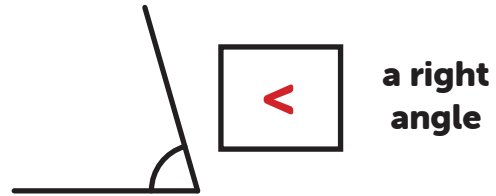
SET: 5

/10

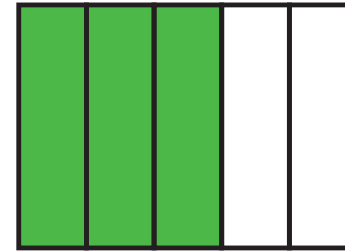
1 Tick the horizontal line



4 Write in >, <, or =

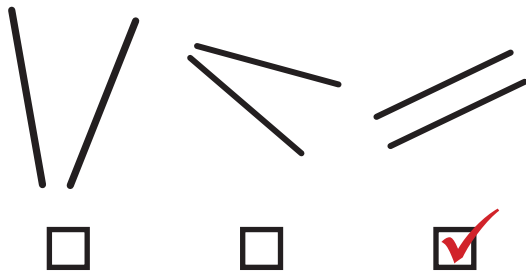


7 Write as a fraction

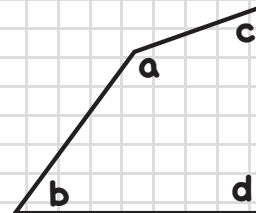


$$\frac{3}{5}$$

2 Tick the parallel lines

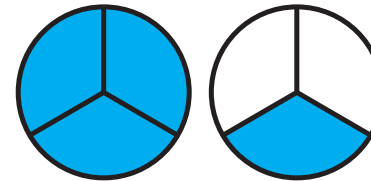


5



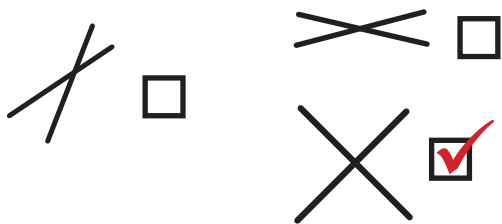
d is a right angle

8 Write as a mixed number



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

3 Tick the perpendicular lines



6 Tick which is true?

$\frac{3}{3} = 1$ $\frac{4}{5} = 1$
 $\frac{1}{2} = 1$

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?!



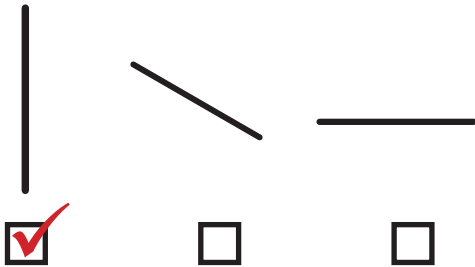
ANSWERS

SAFE 10

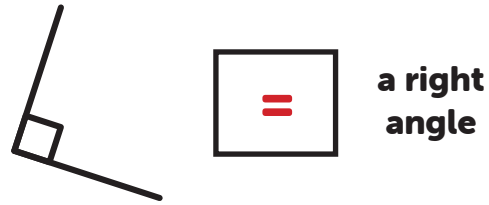
SET: 6

/10

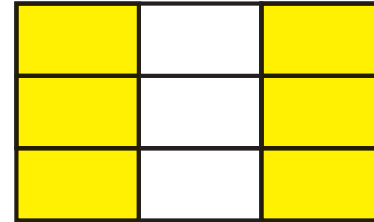
1 Tick the vertical line



4 Write in >, <, or =

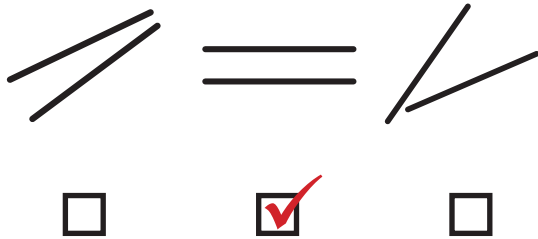


7 Write as a fraction

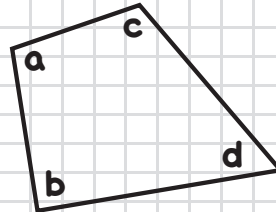


$$\frac{6}{9}$$

2 Tick the parallel lines

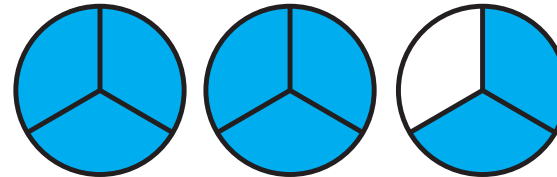


5



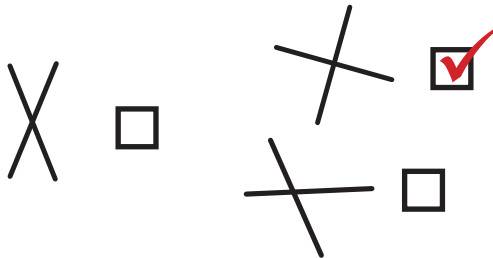
b is a right angle

8 Write as a mixed number



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

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

10

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

MY LAST SCORE?!

HAVE I BEAT THAT?!



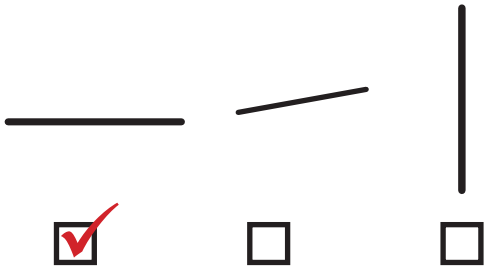
ANSWERS

SAFE 10

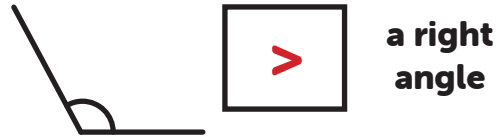
SET: 7

/10

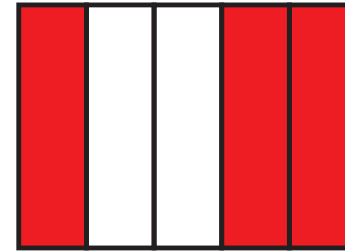
1 Tick the horizontal line



4 Write in >, <, or =

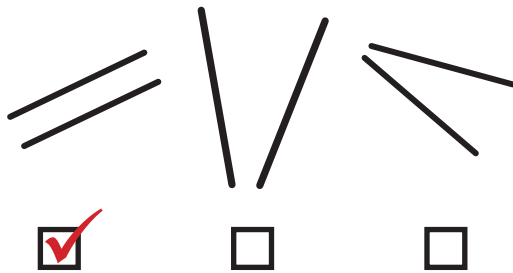


7 Write as a fraction

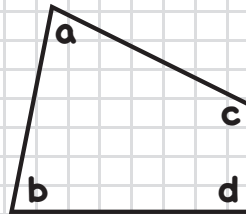


$\frac{3}{5}$

2 Tick the parallel lines

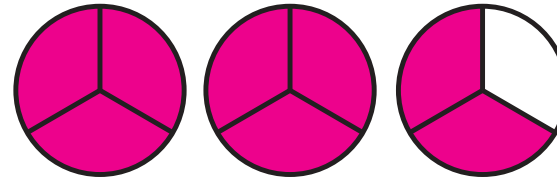


5



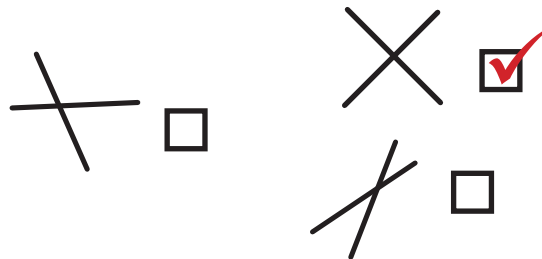
d is a right angle

8 Write as a mixed number



$2 \frac{2}{3}$

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

$\frac{3}{6}$

10

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

$7 \frac{2}{5}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



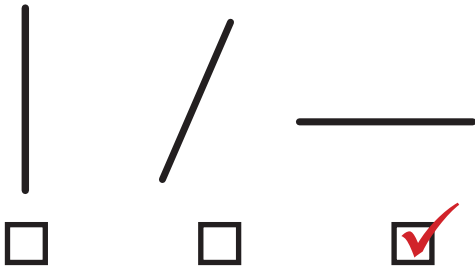
ANSWERS

SAFE 10

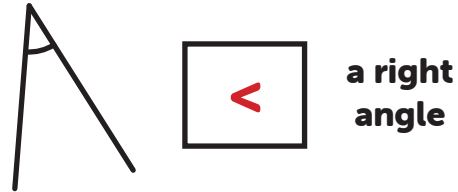
SET: 8

/10

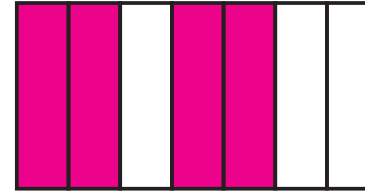
1 Tick the horizontal line



4 Write in >, <, or =

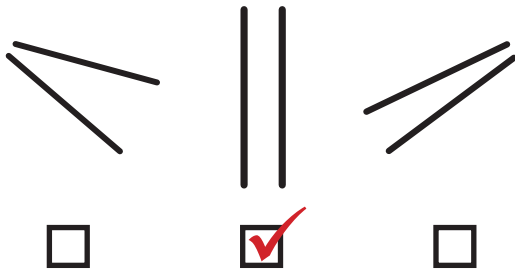


7 Write as a fraction



$\frac{4}{7}$

2 Tick the parallel lines

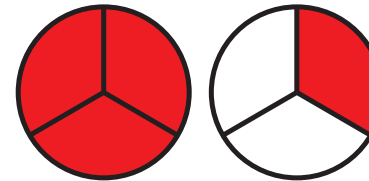


5



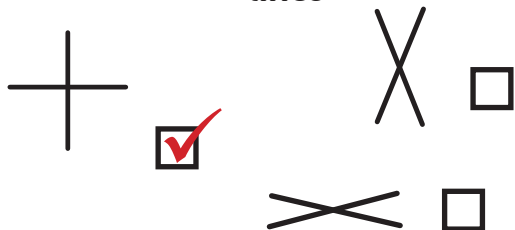
 a is a right angle

8 Write as a mixed number



$1 \frac{1}{3}$

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

$\frac{5}{9}$

10

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

$4 \frac{1}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



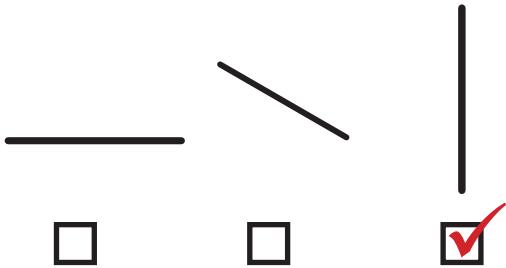
ANSWERS

SAFE 10

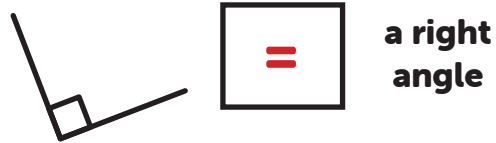
SET: 9

/10

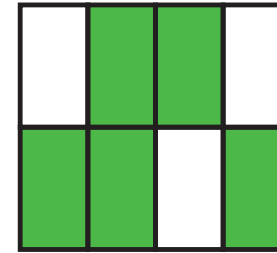
1 Tick the vertical line



4 Write in >, <, or =

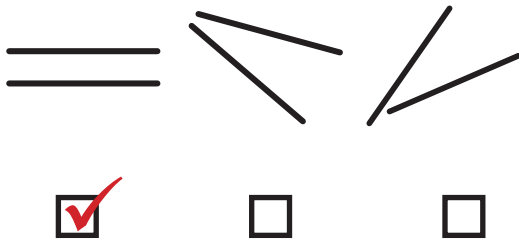


7 Write as a fraction

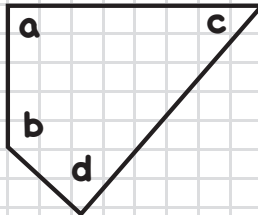


$$\frac{5}{8}$$

2 Tick the parallel lines

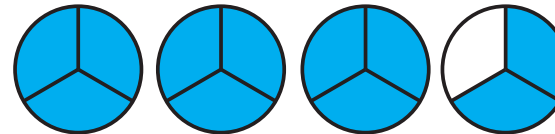


5



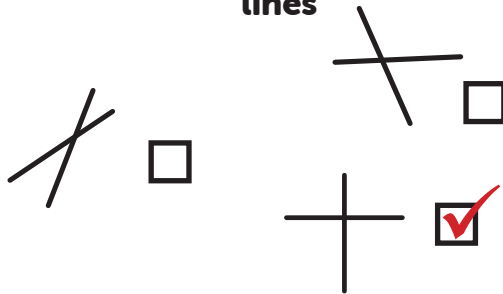
a is a right angle

8 Write as a mixed number



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

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

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

10

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

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

MY LAST SCORE?!

HAVE I BEAT THAT?!



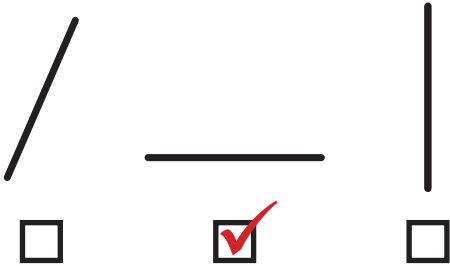
ANSWERS

SAFE 10

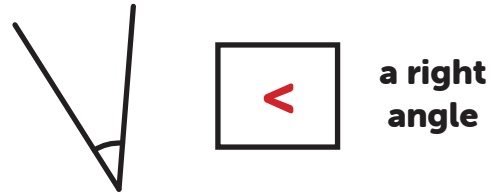
SET: 10

/10

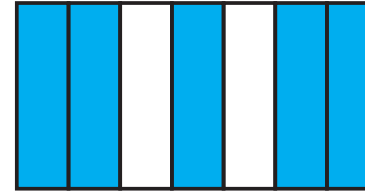
1 Tick the horizontal line



4 Write in >, <, or =

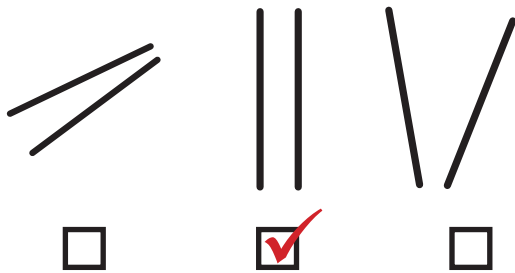


7 Write as a fraction

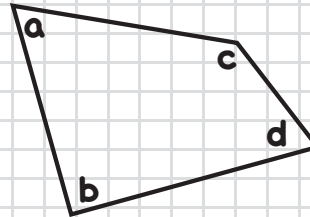


$$\frac{5}{7}$$

2 Tick the parallel lines

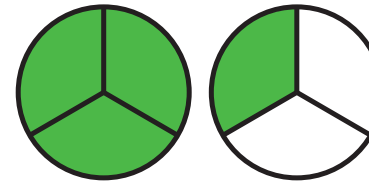


5



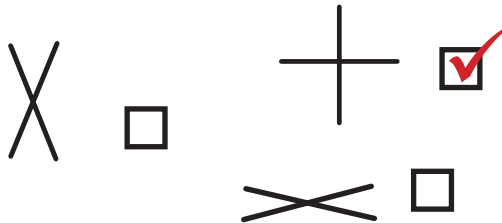
b is a right angle

8 Write as a mixed number



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

3 Tick the perpendicular lines



6 Tick which is true?

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

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

9

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

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

10

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

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

MY LAST SCORE?!

HAVE I BEAT THAT?!

