

Big Maths Beat That!: Teacher Notes

SAFE Challenge 9			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Shape: 2D Shapes	17	I can compare and sort many 2D shapes
Q2	Amounts: Amounts of Distance	7, 10	I can compare descriptions of distance in practical contexts and record the comparisons with symbols
	Amounts: Amounts of Mass	7, 10	I can compare descriptions of mass in practical contexts and record the comparisons with symbols
	Amounts: Amounts of Space	7, 10	I can compare descriptions of capacity in practical contexts and record the comparisons with symbols
Q3	Amounts: Amounts of Money	11	I can give change from a pound
Q4	Amounts: Amounts of Time	19	I can place different periods of time in order
Q5	Amounts: Amounts of Time: Telling The Time	8	I can tell the time!
Q6	Amounts: Amounts of Turn	5	I can recognise that a quarter turn is a right angle
Q7	Fractions: Fractions: Counting	4	I can count in quarters
Q8	Fractions: Fractions: Learn Its	3	I can quickly write out my fractions Learn Its $1/2 \text{ of } 10 = 5$, $1/2 \text{ of } 8 = 4$, $1/2 \text{ of } 6 = 3$, $1/2 \text{ of } 4 = 2$, $1/2 \text{ of } 2 = 1$
Q9	Fractions: Fractions: Learn Its	4	I know all of my $\times 2$, $\times 5$, $\times 10$ tables as fractions Learn Its
Q10	Fractions: Fractions: It's Nothing New	3	I can add and subtract halves, quarters and thirds

NAME:

CLASS:

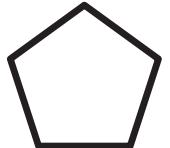
DATE:

SAFE 9

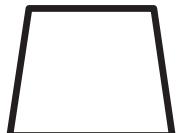
WK: 1

/10

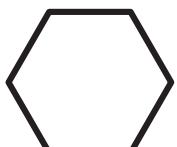
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from

£1



65p → _____

4 Tick the shortest amount of time

10 Minutes

3 Weeks

3 Minutes

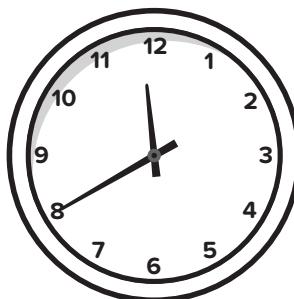
2 < or >

3m _____ 10cm

5g _____ 5kg

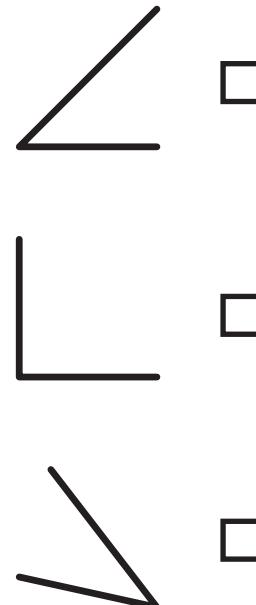
2L _____ 20ml

5



: _____

3 Which is the right angle?



8 $\frac{1}{2}$ of 6 =

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

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

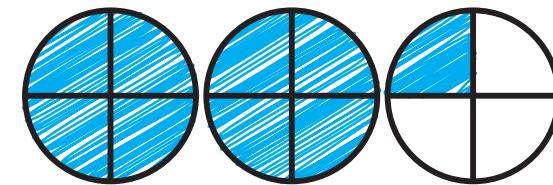
9 $\frac{1}{5}$ of 20 =

$\frac{1}{10}$ of 40 =

$\frac{1}{2}$ of 18 =

10 $\frac{3}{4} - \frac{1}{4} =$

7 Write as a mixed number



NAME:

CLASS:

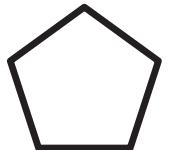
DATE:

SAFE 9

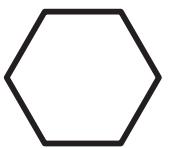
WK: 2

/10

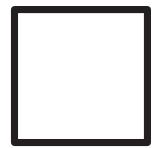
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 < or >

1m _____ 120cm

2kg _____ 70g

120ml _____ 3L

3 How much change from



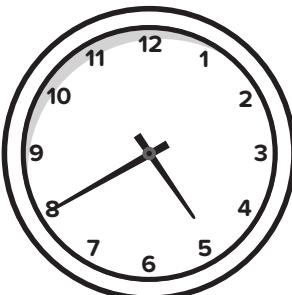
32p → _____

4 Tick the longest amount of time

10 Weeks

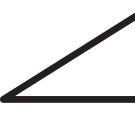
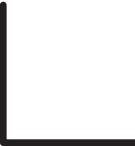
3 Months

1 Year



: _____

5 Which is the right angle?



6 $\frac{1}{2}$ of 8 =

$\frac{1}{2}$ of 6 =

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

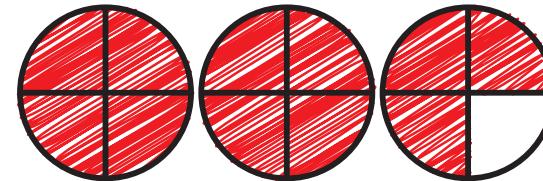
7 $\frac{1}{5}$ of 40 =

$\frac{1}{10}$ of 20 =

$\frac{1}{2}$ of 16 =

8 $\frac{1}{3} + \frac{1}{3} =$

9 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

DATE:

SAFE 9

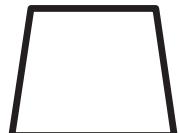
WK: 3

/10

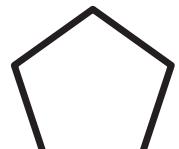
1 Draw a line from the shape to its name:



Hexagon



Pentagon



Quadrilateral

2 < or >

4kg _____ 450g

10m _____ 200cm

2L _____ 150ml

3 How much change from



80p → _____

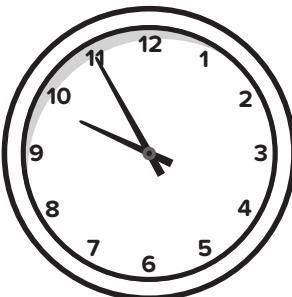
4 Tick the longest amount of time

2 Months

40 Days

50 Minutes

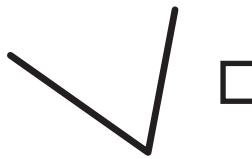
5



: _____

6 Which is the right angle?







7 $\frac{1}{2}$ of 2 =

$\frac{1}{2}$ of 6 =

$\frac{1}{2}$ of 8 =

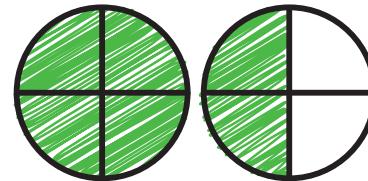
8 $\frac{1}{5}$ of 45 =

$\frac{1}{10}$ of 70 =

$\frac{1}{2}$ of 12 =

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

7 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

DATE:

SAFE 9

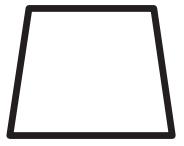
WK:4

/10

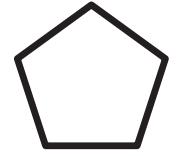
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 < or >

4L _____ 500ml

1kg _____ 10g

20cm _____ 1m

3 How much change from

£1



34p → _____

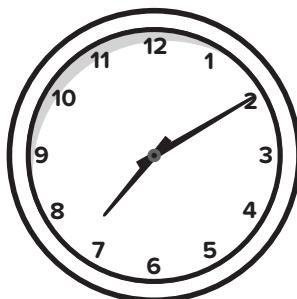
4 Tick the shortest amount of time

25
Minutes

1
year

2
days

5



: :



MY LAST SCORE?!

HAVE I BEAT THAT?!

6 Which is the right angle?







7 $\frac{1}{2}$ of 4 =

$$\frac{1}{2} \text{ of } 10 =$$

$$\frac{1}{2} \text{ of } 2 =$$

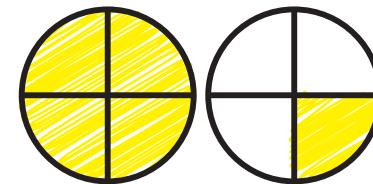
8 $\frac{1}{5}$ of 25 =

$$\frac{1}{10} \text{ of } 50 =$$

$$\frac{1}{2} \text{ of } 6 =$$

9 $\frac{2}{3} - \frac{1}{3} =$

10 Write as a mixed number



NAME:

CLASS:

DATE:

SAFE 9

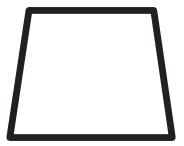
WK: 5

/10

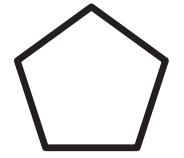
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

2 < or >

1200ml _____ 1L

50g _____ 50kg

5m _____ 50cm

3 How much change from



92p → _____

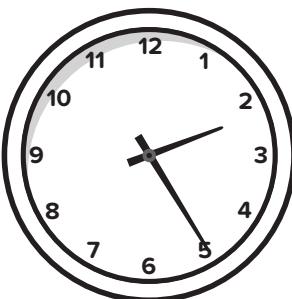
4 Tick the longest amount of time

30
Years

40
Days

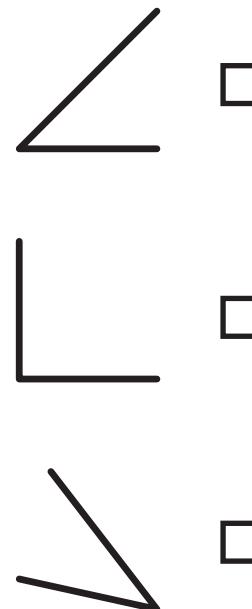
20
Months

5



: _____

6 Which is the right angle?



7 $\frac{1}{2}$ of 10 =

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

$\frac{1}{2}$ of 8 =

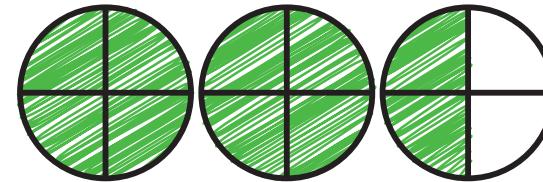
8 $\frac{1}{5}$ of 10 =

$\frac{1}{10}$ of 80 =

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

9 $\frac{1}{4} + \frac{1}{4} =$

10 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

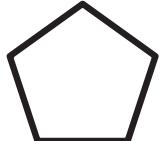
DATE:

SAFE 9

WK 6

/10

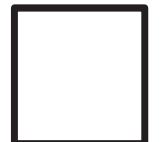
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 < or >

100ml 150ml

2kg 200g

5cm 4m

3 How much change from

£1



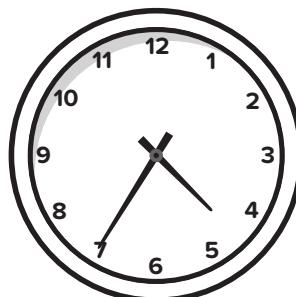
5p →

4 Tick the longest amount of time

2 Minutes

10 Seconds

1 Day



:
:

5 Which is the right angle?







8 $\frac{1}{2}$ of 4 =

$\frac{1}{2}$ of 8 =

$\frac{1}{2}$ of 6 =

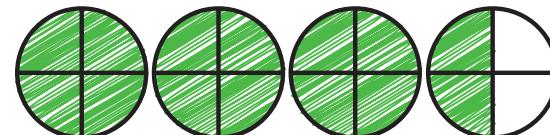
9 $\frac{1}{5}$ of 50 =

$\frac{1}{10}$ of 60 =

$\frac{1}{2}$ of 18 =

10 $\frac{3}{4} - \frac{2}{4} =$

7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

DATE:

SAFE 9

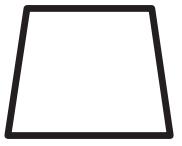
WK: 7

/10

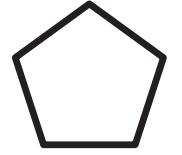
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

2 < or >

2L _____ 400ml

2kg _____ 1kg

1m _____ 10cm

3 How much change from



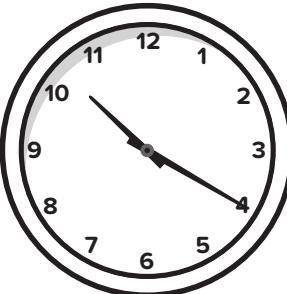
25p → _____

4 Tick the shortest amount of time

1 Minute

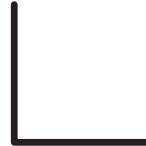
10 Seconds

2 Weeks



:

5 Which is the right angle?



6 $\frac{1}{2}$ of 10 =

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

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

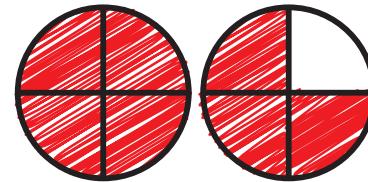
7 $\frac{1}{5}$ of 40 =

$\frac{1}{10}$ of 40 =

$\frac{1}{2}$ of 20 =

8 $\frac{1}{3} + \frac{1}{3} =$

9 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

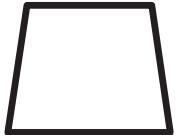
DATE:

SAFE 9

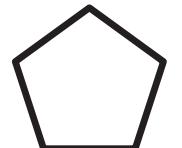
WK: 8

/10

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 < or >

1cm _____ 1m

5kg _____ 5g

20L _____ 200ml

3 How much change from

£1



34p → _____

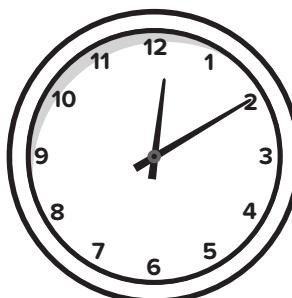
4 Tick the longest amount of time

5 Days

3 Weeks

1 Month

5



_____ :

6 Which is the right angle?







7 $\frac{1}{2}$ of 2 =

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

$\frac{1}{2}$ of 6 =

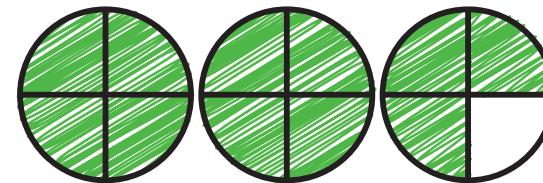
8 $\frac{1}{5}$ of 15 =

$\frac{1}{10}$ of 20 =

$\frac{1}{2}$ of 12 =

9 $\frac{3}{4} - \frac{1}{4} =$

10 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

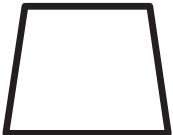
DATE:

SAFE 9

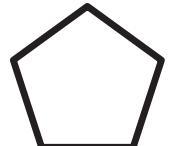
WK 9

/10

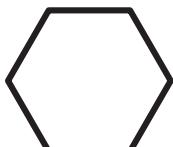
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 < or >

200g _____ 1kg

4L _____ 4500ml

50ml _____ 30ml

3 How much change from

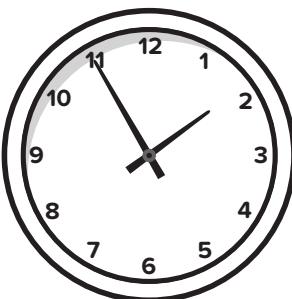


60p → _____

4 Tick the longest amount of time

2 Years 100 Seconds 18 Months

5



:

6 Which is the right angle?



7 $\frac{1}{2}$ of 10 =

$\frac{1}{2}$ of 8 =

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

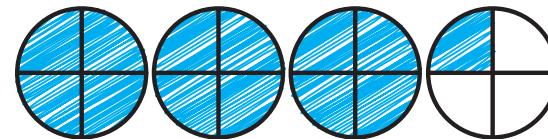
8 $\frac{1}{5}$ of 30 =

$\frac{1}{10}$ of 90 =

$\frac{1}{2}$ of 14 =

9 $\frac{1}{3} + \frac{1}{3} =$

10 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

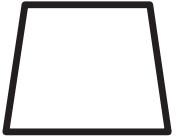
DATE:

SAFE 9

WK: 10

/10

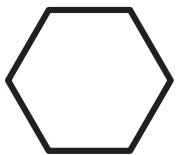
1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 < or >

3L _____ 2L

1kg _____ 1700g

20cm _____ 2m

3 How much change from



43p → _____

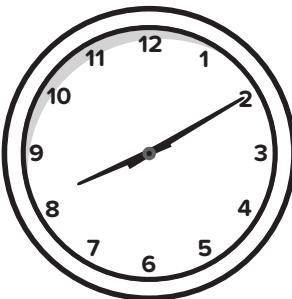
4 Tick the shortest amount of time

3 Months

30 Minutes

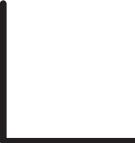
11 Days

5



: _____

6 Which is the right angle?



7 $\frac{1}{2}$ of 4 =

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

$\frac{1}{2}$ of 6 =

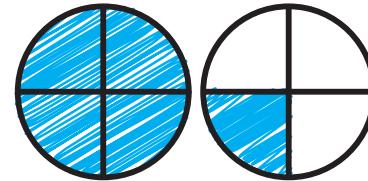
8 $\frac{1}{5}$ of 45 =

$\frac{1}{10}$ of 30 =

$\frac{1}{2}$ of 8 =

9 $\frac{2}{4} - \frac{1}{4} =$

10 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!

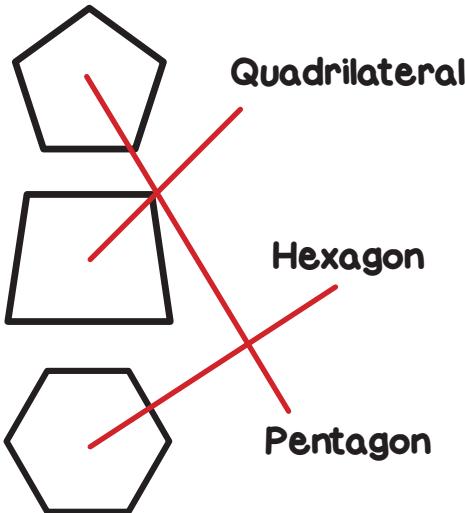
ANSWERS

SAFE 9

WK:1

/10

1 Draw a line from the shape to its name:



2 < or >

3m 10cm **>**

5g 5kg **<**

2L 20ml **>**

3 How much change from

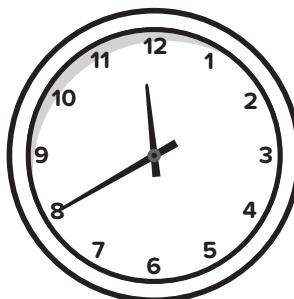
£1

65p → 35p

4 Tick the shortest amount of time

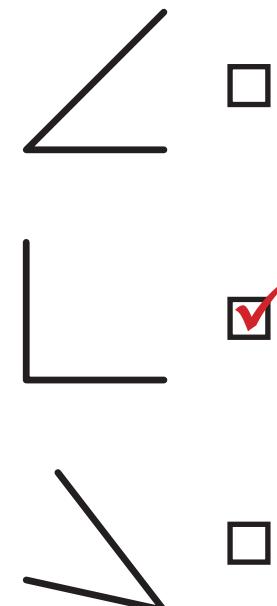
10 Minutes
3 Weeks
3 Minutes

5



10:40

6 Which is the right angle?



7

$$\frac{1}{2} \text{ of } 6 =$$

3

$$\frac{1}{2} \text{ of } 2 =$$

1

$$\frac{1}{2} \text{ of } 10 =$$

5

8

$$\frac{1}{5} \text{ of } 20 =$$

4

$$\frac{1}{10} \text{ of } 40 =$$

4

$$\frac{1}{2} \text{ of } 18 =$$

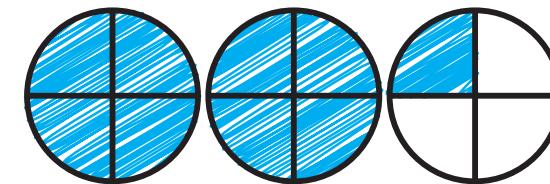
9

9

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

10

Write as a mixed number



2 $\frac{1}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!

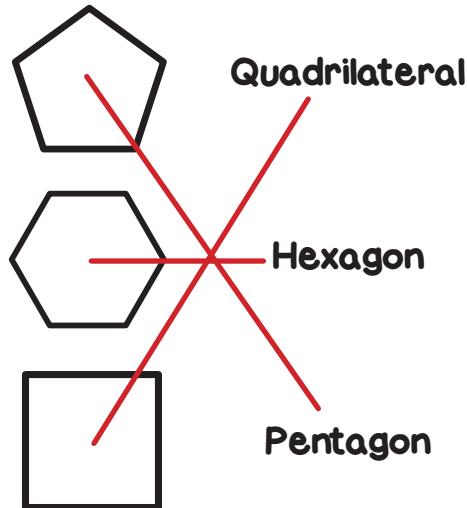
ANSWERS

SAFE 9

WK 2

/10

1 Draw a line from the shape to its name:



2 < or >

1m < 120cm

2kg > 70g

120ml < 3L

3 How much change from



32p → 68p

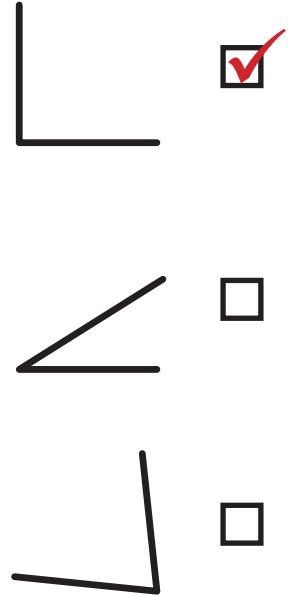
4 Tick the longest amount of time

10 Weeks

3 Months

1 Year

5 Which is the right angle?



6 $\frac{1}{2}$ of 8 = 4

7 $\frac{1}{2}$ of 6 = 3

8 $\frac{1}{2}$ of 4 = 2

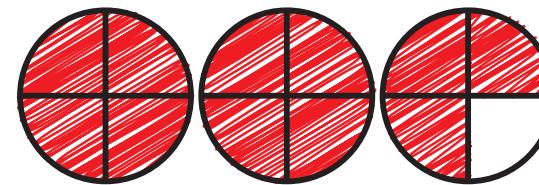
9 $\frac{1}{5}$ of 40 = 8

10 $\frac{1}{10}$ of 20 = 2

11 $\frac{1}{2}$ of 16 = 8

12 $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

7 Write as a mixed number



2 3/4

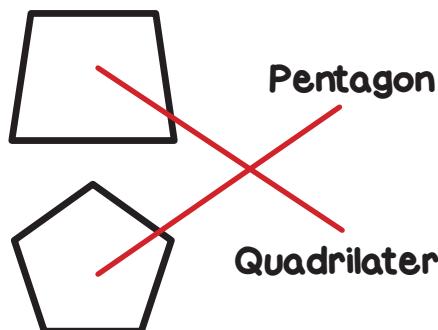
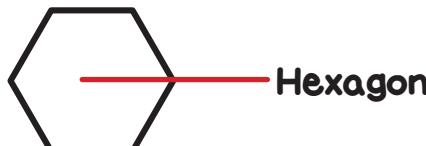


MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

1 Draw a line from the shape to its name:



2 < or >

4kg > 450g

10m > 200cm

2L > 150ml

3 How much change from



80p → 20p

4 Tick the longest amount of time

2 Months

40 Days

50 Minutes

SAFE 9

WK: 3

/10

8 $\frac{1}{2}$ of 2 = 1

$\frac{1}{2}$ of 6 = 3

$\frac{1}{2}$ of 8 = 4

9 $\frac{1}{5}$ of 45 = 9

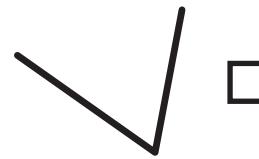
$\frac{1}{10}$ of 70 = 7

$\frac{1}{2}$ of 12 = 6

10 $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$

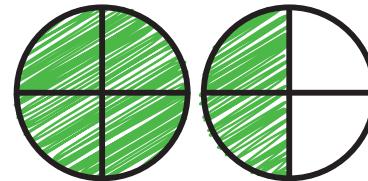
6 Which is the right angle?







7 Write as a mixed number



1 $\frac{2}{4}$

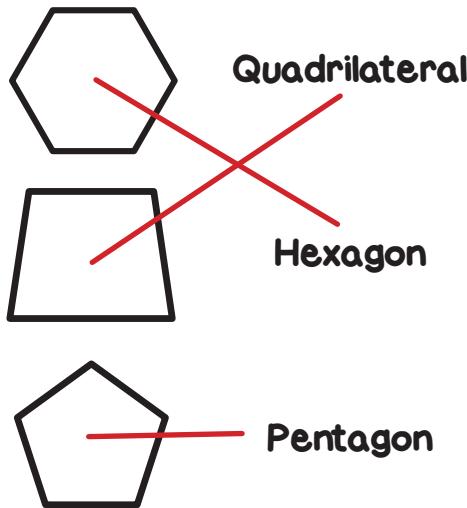


MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

1 Draw a line from the shape to its name:



2 < or >

4L $\underline{\quad}$ 500ml

1kg $\underline{\quad}$ 10g

20cm $\underline{\quad}$ 1m

3 How much change from



34p \rightarrow 66p

4 Tick the shortest amount of time

25 Minutes

1 year

2 days

SAFE 9

WK 4

10

5 Which is the right angle?



6 $\frac{1}{2}$ of 4 = 2

7 $\frac{1}{2}$ of 10 = 5

8 $\frac{1}{2}$ of 2 = 1

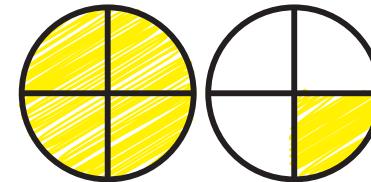
9 $\frac{1}{5}$ of 25 = 5

10 $\frac{1}{10}$ of 50 = 5

11 $\frac{1}{2}$ of 6 = 3

12 $\frac{2}{3} - \frac{1}{3} = \underline{\quad} \frac{1}{3}$

7 Write as a mixed number



1 $\frac{1}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!

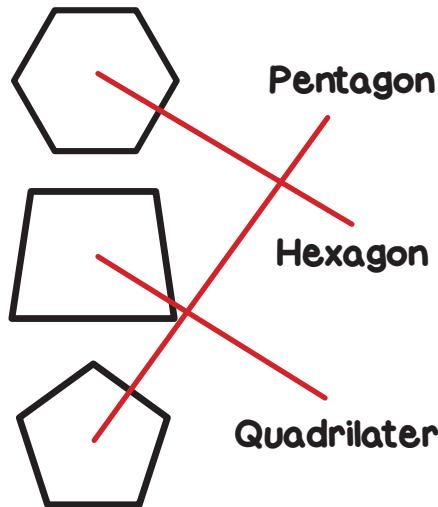
ANSWERS

SAFE 9

WK:5

/10

1 Draw a line from the shape to its name:



2 < or >

$$1200\text{ml} \quad > \quad 1\text{L}$$

$$50\text{g} \quad < \quad 50\text{kg}$$

$$5\text{m} \quad > \quad 50\text{cm}$$

3 How much change from



$$92\text{p} \rightarrow \underline{\hspace{1cm}} \quad 8\text{p}$$

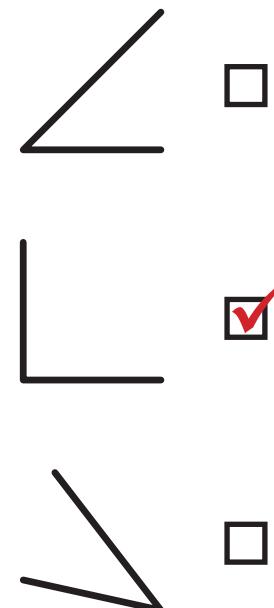
4 Tick the longest amount of time

30 Years

40 Days

20 Months

5 Which is the right angle?



6 $\frac{1}{2}$ of 10 = 5

7 $\frac{1}{2}$ of 2 = 1

8 $\frac{1}{2}$ of 8 = 4

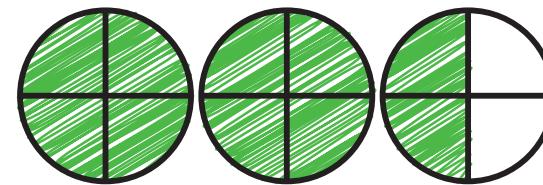
9 $\frac{1}{5}$ of 10 = 2

10 $\frac{1}{10}$ of 80 = 8

11 $\frac{1}{2}$ of 10 = 5

12 $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$ 2

7 Write as a mixed number



2 $\frac{2}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!

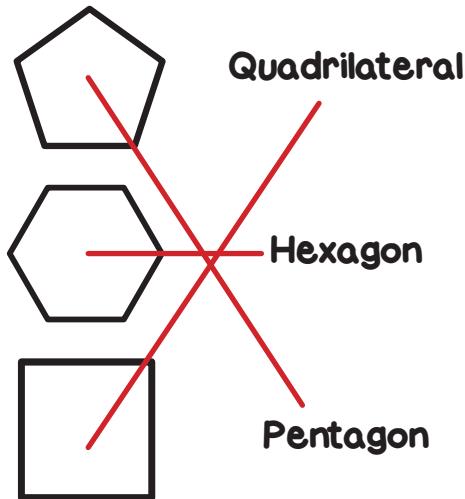
ANSWERS

SAFE 9

WK 6

/10

1 Draw a line from the shape to its name:



2 < or >

$$100\text{ml} \quad < \quad 150\text{ml}$$

$$2\text{kg} \quad > \quad 200\text{g}$$

$$5\text{cm} \quad < \quad 4\text{m}$$

3 How much change from

£1

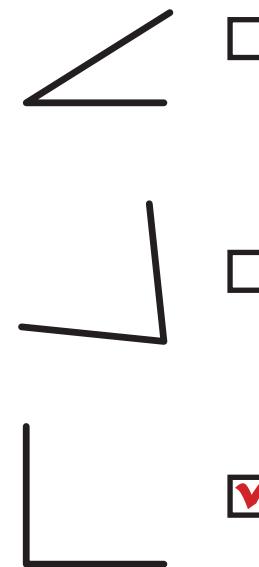


$$5\text{p} \rightarrow \underline{95\text{p}}$$

4 Tick the longest amount of time

2 Minutes 10 Seconds 1 Day

5 Which is the right angle?



6 $\frac{1}{2}$ of 4 = **2**

7 $\frac{1}{2}$ of 8 = **4**

8 $\frac{1}{2}$ of 6 = **3**

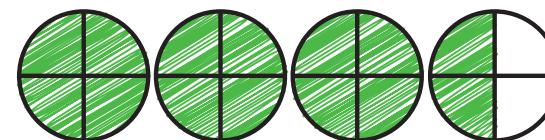
9 $\frac{1}{5}$ of 50 = **10**

10 $\frac{1}{10}$ of 60 = **6**

11 $\frac{1}{2}$ of 18 = **9**

12 $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$

7 Write as a mixed number



3 $\frac{2}{4}$

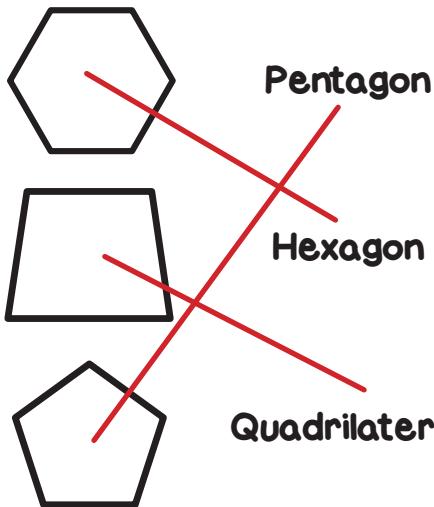


MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

1 Draw a line from the shape to its name:



2 < or >

2L > 400ml

2kg > 1kg

1m > 10cm

3 How much change from

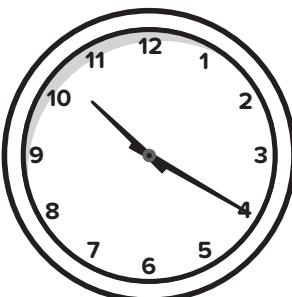


25p → **75p**

4 Tick the shortest amount of time

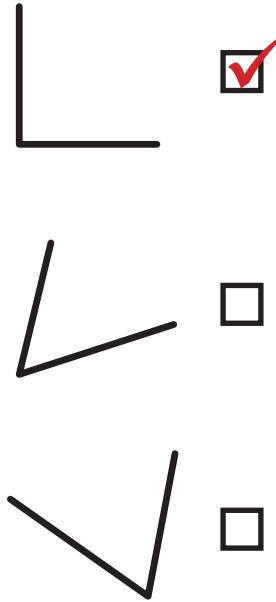
- 1 Minute
- 10 Seconds
- 2 Weeks

5



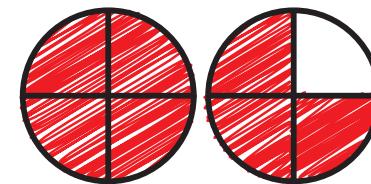
10:20

6 Which is the right angle?



7

Write as a mixed number



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

Big BEAT THAT!

MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 < or >

1cm < 1m

5kg > 5g

20L > 200ml

3 How much change from



34p → 66p

4 Tick the longest amount of time

5 Days

3 Weeks

1 Month

SAFE 9

WK 8

10

5 Which is the right angle?



8

$$\frac{1}{2} \text{ of } 2 =$$

1

$$\frac{1}{2} \text{ of } 4 =$$

2

$$\frac{1}{2} \text{ of } 6 =$$

3

9

$$\frac{1}{5} \text{ of } 15 =$$

3

$$\frac{1}{10} \text{ of } 20 =$$

2

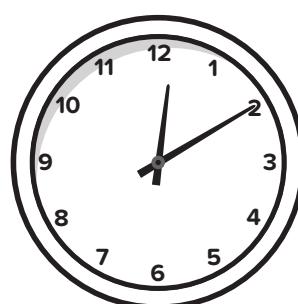
$$\frac{1}{2} \text{ of } 12 =$$

6

10

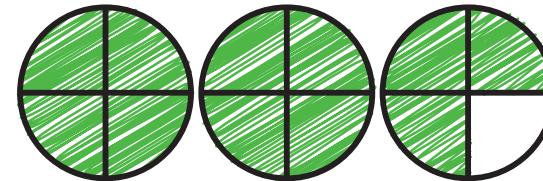
$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4}$$

5



12:10

7 Write as a mixed number



2 $\frac{3}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

SAFE 9

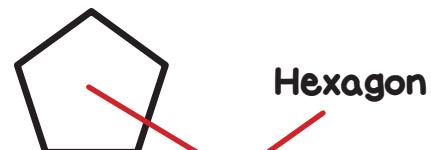
WK:9

/10

1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 < or >

200g  1kg

4L  4500ml

50ml  30ml

3 How much change from



60p → 40p

4 Tick the longest amount of time

2 Years

100 Seconds

18 Months

5 Which is the right angle?







6 $\frac{1}{2}$ of 10 = 5

7 $\frac{1}{2}$ of 8 = 4

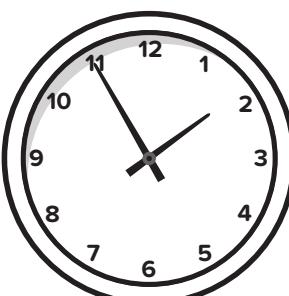
8 $\frac{1}{2}$ of 2 = 1

9 $\frac{1}{5}$ of 30 = 6

10 $\frac{1}{10}$ of 90 = 9

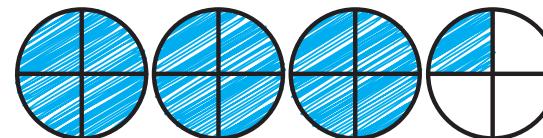
11 $\frac{1}{2}$ of 14 = 7

12 $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$



01:55

7 Write as a mixed number



3 $\frac{1}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!

ANSWERS

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 < or >

3L > 2L

1kg < 1700g

20cm < 2m

3 How much change from



43p → 57p

4 Tick the shortest amount of time

3 Months

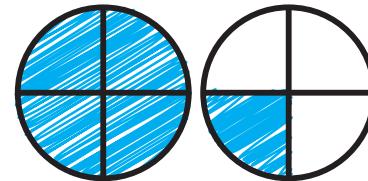
30 Minutes

11 Days

5 Which is the right angle?



7 Write as a mixed number



1 $\frac{1}{4}$

SAFE 9

WK: 10

/10

8 $\frac{1}{2}$ of 4 = 2

$\frac{1}{2}$ of 10 = 5

$\frac{1}{2}$ of 6 = 3

9 $\frac{1}{5}$ of 45 = 9

$\frac{1}{10}$ of 30 = 3

$\frac{1}{2}$ of 8 = 4

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



MY LAST SCORE?!

HAVE I BEAT THAT?!