

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 $\frac{1}{2}$ of 10 = 5, $\frac{1}{2}$ of 8 = 4, $\frac{1}{2}$ of 6 = 3, $\frac{1}{2}$ of 4 = 2, $\frac{1}{2}$ of 2 = 1
Q9	Fractions: Fractions: Learn Its	4	I know all of my x2, x5, x10 tables as fractions Learn Its
Q10	Fractions: Fractions: It's Nothing New	3	I can add and subtract halves, quarters and thirds

NAME:

CLASS:

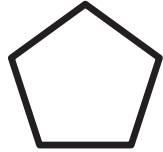
DATE:

SAFE 9

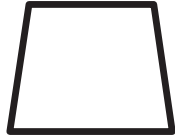
WK: 1

/10

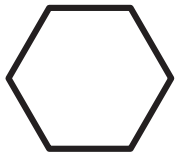
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from

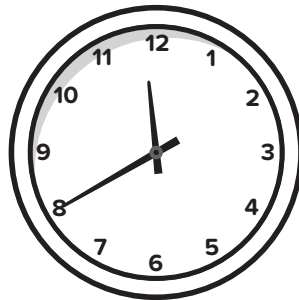


65p → _____

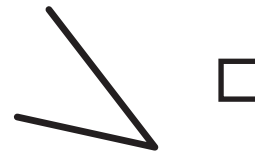
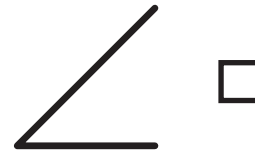
4 Tick the shortest amount of time

10 Minutes 3 Weeks 3 Minutes

5



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

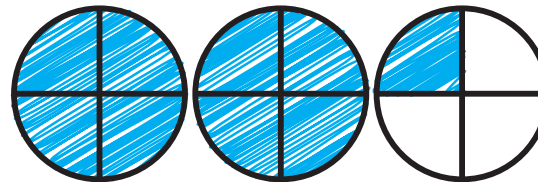
2 < or >

3m _____ 10cm

5g _____ 5kg

2L _____ 20ml

7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

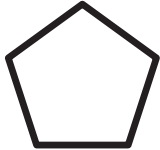
DATE:

SAFE 9

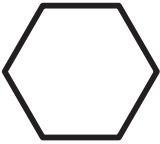
WK: 2

/10

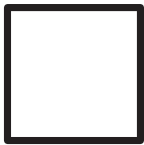
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from



32p → _____

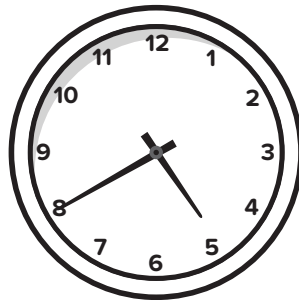
4 Tick the longest amount of time

10 Weeks

3 Months

1 Year

5



6 Which is the right angle?



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

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

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

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

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

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

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

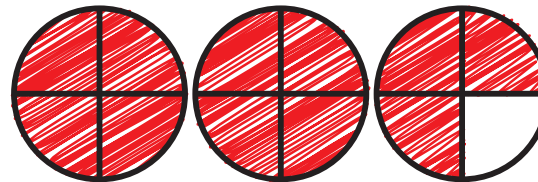
2 < or >

1m _____ 120cm

2kg _____ 70g

120ml _____ 3L

7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!

NAME:

CLASS:

DATE:

SAFE 9

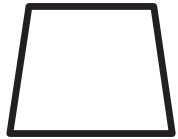
WK: 3

/10

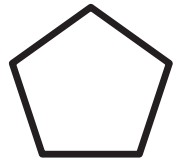
1 Draw a line from the shape to its name:



Hexagon



Pentagon



Quadrilateral

2 How much change from



80p → _____

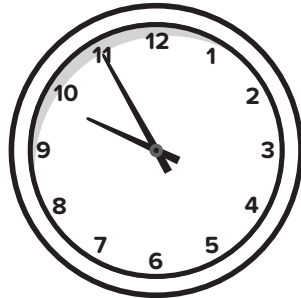
4 Tick the longest amount of time

2 Months

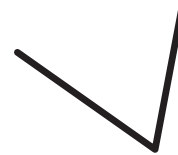
40 Days

50 Minutes

5



6 Which is the right angle?



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

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

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

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

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

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

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

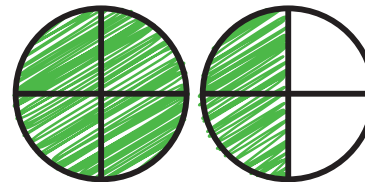
2 < or >

4kg _____ 450g

10m _____ 200cm

2L _____ 150ml

7 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

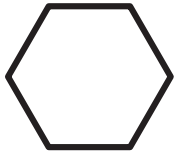
DATE:

SAFE 9

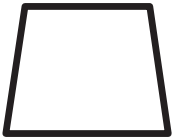
WK:4

/10

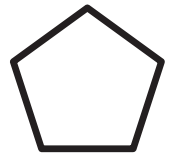
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from



34p → _____

4 Tick the shortest amount of time

25 Minutes

1 year

2 days

6 Which is the right angle?



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

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

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

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

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

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

10 $\frac{2}{3} - \frac{1}{3} =$

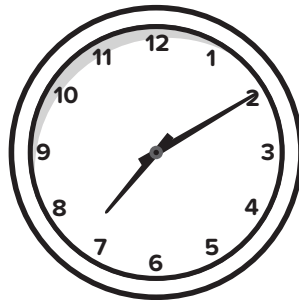
2 < or >

4L _____ 500ml

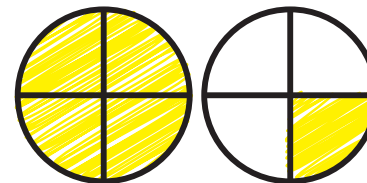
1kg _____ 10g

20cm _____ 1m

5



7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

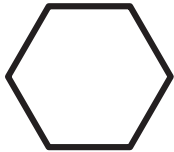
DATE:

SAFE 9

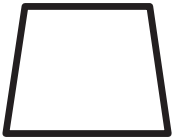
WK: 5

/10

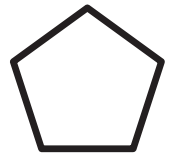
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

2 How much change from



92p → _____

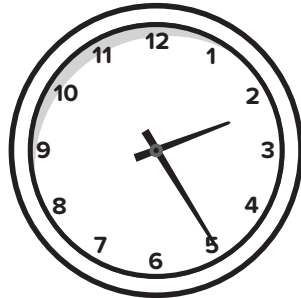
4 Tick the longest amount of time

30 Years

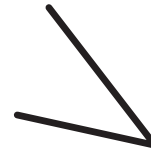
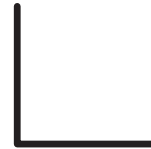
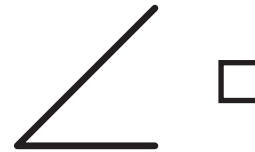
40 Days

20 Months

5



6 Which is the right angle?



8 $\frac{1}{2}$ of 10 =

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

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

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

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

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

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

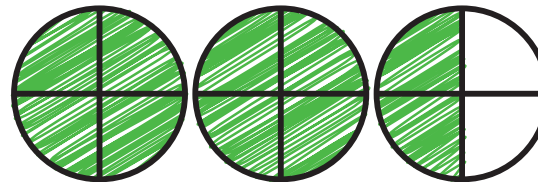
2 < or >

1200ml _____ 1L

50g _____ 50kg

5m _____ 50cm

7 Write as a mixed number



MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

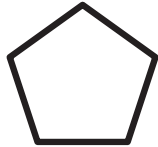
DATE:

SAFE 9

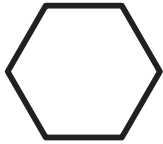
WK: 6

/10

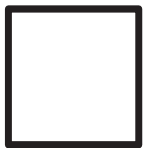
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from

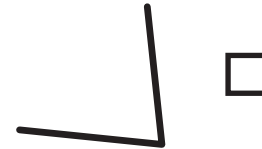


5p → _____

4 Tick the longest amount of time

2	10	1
Minutes	Seconds	Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

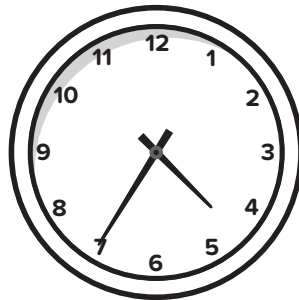
2 < or >

100ml _____ 150ml

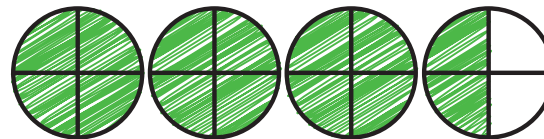
2kg _____ 200g

5cm _____ 4m

5



7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

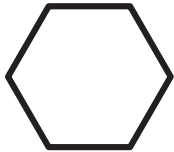
DATE:

SAFE 9

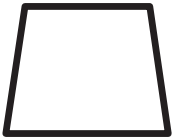
WK: 7

/10

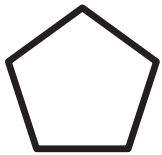
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

2 How much change from

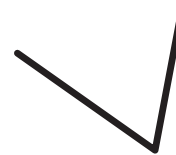


25p → _____

4 Tick the shortest amount of time

1 Minute 10 Seconds 2 Weeks

6 Which is the right angle?



8 $\frac{1}{2}$ of 10 =

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

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

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

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

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

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

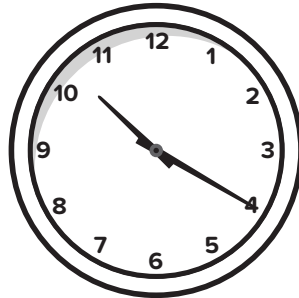
2 < or >

2L _____ 400ml

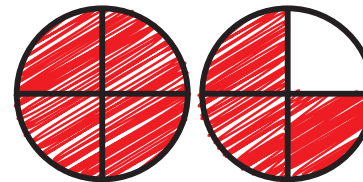
2kg _____ 1kg

1m _____ 10cm

5



7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

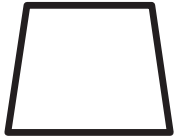
DATE:

SAFE 9

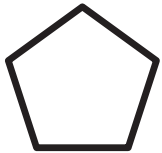
WK: 8

/10

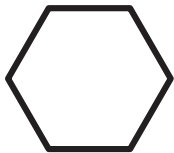
1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 How much change from



34p → _____

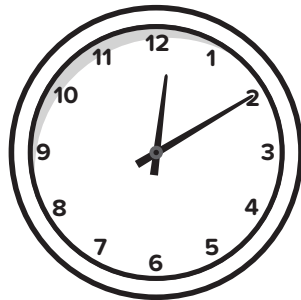
4 Tick the longest amount of time

5 Days

3 Weeks

1 Month

5



6 Which is the right angle?



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

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

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

9 $\frac{1}{5}$ of 15 =

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

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

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

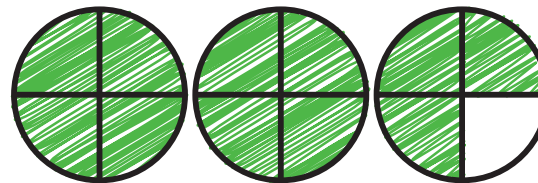
2 < or >

1cm _____ 1m

5kg _____ 5g

20L _____ 200ml

7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

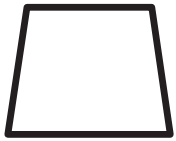
DATE:

SAFE 9

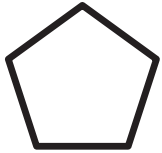
WK: 9

/10

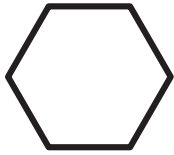
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from



60p → _____

4 Tick the longest amount of time

2	100	18
Years	Seconds	Months
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6 Which is the right angle?



8 $\frac{1}{2}$ of 10 =

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

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

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

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

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

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

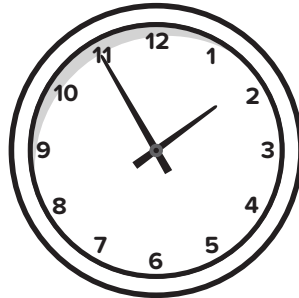
2 < or >

200g _____ 1kg

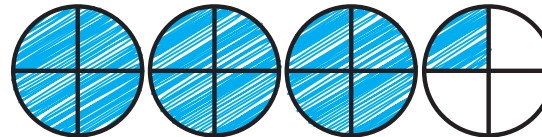
4L _____ 4500ml

50ml _____ 30ml

5



7 Write as a mixed number





MY LAST SCORE?!

HAVE I BEAT THAT?!



NAME:

CLASS:

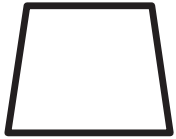
DATE:

SAFE 9

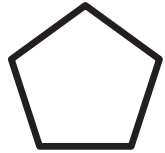
WK: 10

/10

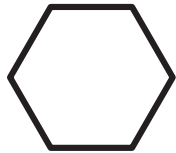
1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 How much change from



43p → _____

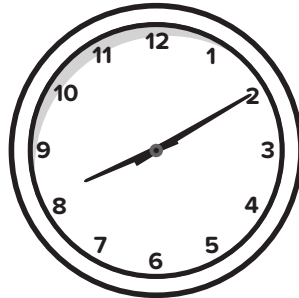
4 Tick the shortest amount of time

3 Months

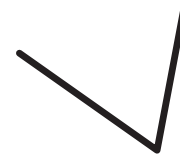
30 Minutes

11 Days

5



6 Which is the right angle?



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

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

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

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

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

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

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

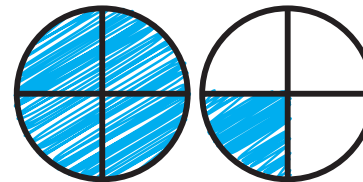
2 < or >

3L _____ 2L

1kg _____ 1700g

20cm _____ 2m

7 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:

Quadrilateral

Hexagon

Pentagon

3 How much change from

£1 

65p → 35p

4 Tick the shortest amount of time

10 Minutes 3 Weeks 3 Minutes

6 Which is the right angle?

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

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

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

9 $\frac{1}{5}$ of 20 = **4**

$\frac{1}{10}$ of 40 = **4**

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

2 < or >

3m > 10cm

5g < 5kg

2L > 20ml

5 

11:40

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

7 Write as a mixed number

2 $\frac{1}{4}$



MY LAST SCORE?!

HAVE I BEAT THAT?!



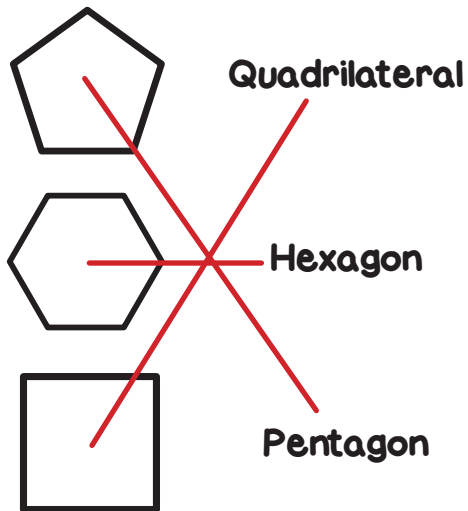
ANSWERS

SAFE 9

WK: 2

/10

1 Draw a line from the shape to its name:



2 How much change from



32p → 68p

4 Tick the longest amount of time

10 Weeks 3 Months 1 Year

6 Which is the right angle?



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

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

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

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

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

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

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

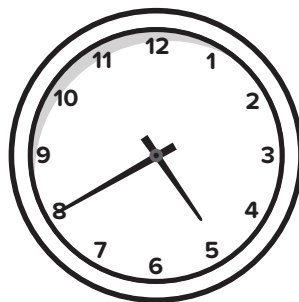
2 < or >

1m < 120cm

2kg > 70g

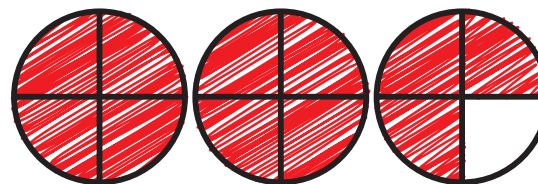
120ml < 3L

5



04:40

7 Write as a mixed number



2 $\frac{3}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



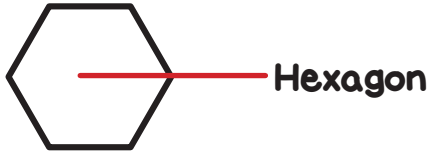
ANSWERS

SAFE 9

WK: 3

/10

1 Draw a line from the shape to its name:



2 How much change from

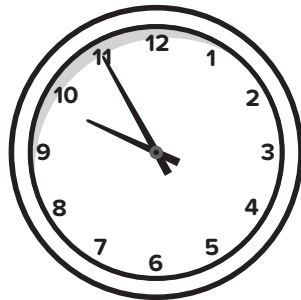


80p → 20p

4 Tick the longest amount of time

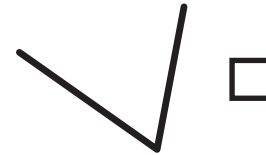
2 Months 40 Days 50 Minutes

5



09:55

6 Which is the right angle?



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

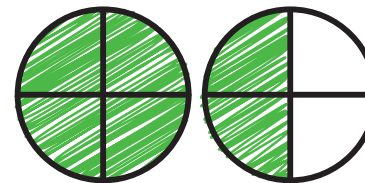
2 < or >

4kg > 450g

10m > 200cm

2L > 150ml

7 Write as a mixed number



1 $\frac{2}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



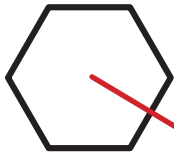
ANSWERS

SAFE 9

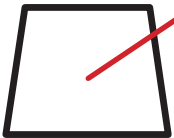
WK:4

/10

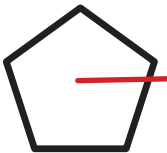
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

2 How much change from



34p → 66p

4 Tick the shortest amount of time

25
Minutes



1
year



2
days



6 Which is the right angle?



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

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

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

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

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

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

10 $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

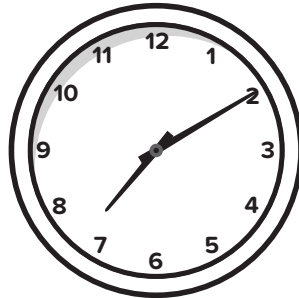
2 < or >

4L > 500ml

1kg > 10g

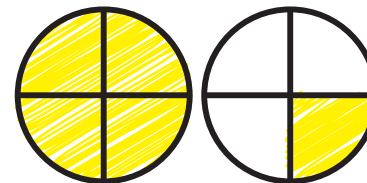
20cm < 1m

5



07:10

7 Write as a mixed number



1 $\frac{1}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



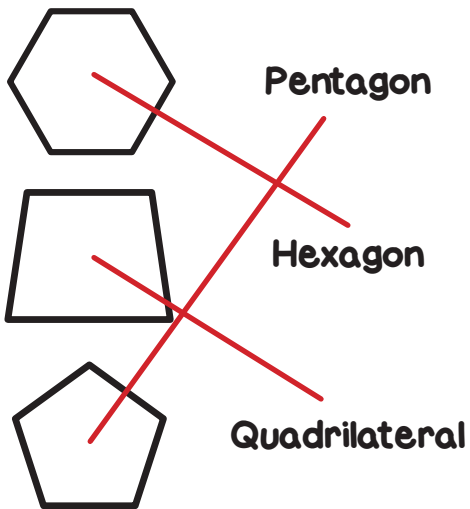
ANSWERS

SAFE 9

WK: 5

/10

1 Draw a line from the shape to its name:



2 How much change from

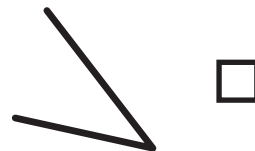


£1
92p → 8p

4 Tick the longest amount of time

30 Years 40 Days 20 Months

6 Which is the right angle?



8 $\frac{1}{2}$ of 10 = **5**

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

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

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

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

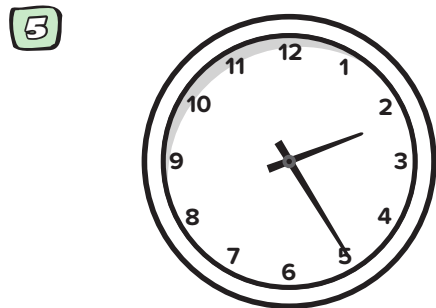
$\frac{1}{2}$ of 10 = **5**

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

2 < or >
1200ml > 1L

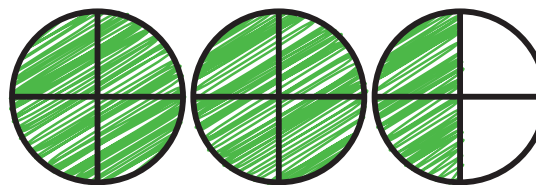
50g < 50kg

5m > 50cm



02:25

7 Write as a mixed number



2 $\frac{3}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



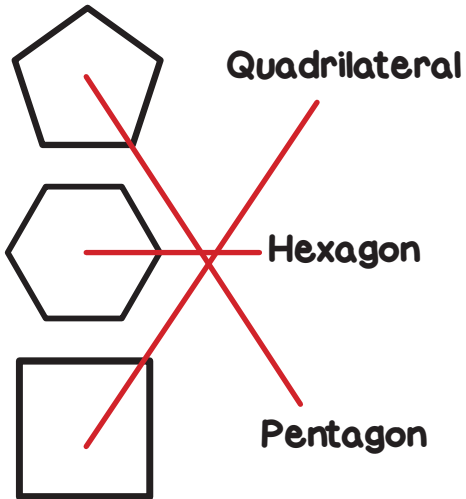
ANSWERS

SAFE 9

WK: 6

/10

1 Draw a line from the shape to its name:



2 How much change from



5p → 95p

4 Tick the longest amount of time

2 Minutes 10 Seconds 1 Day

6 Which is the right angle?



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

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

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

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

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

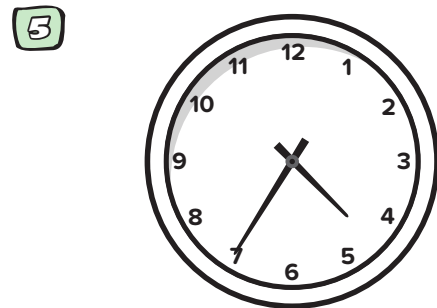
$\frac{1}{2}$ of 18 = 9

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

2 < or >
100ml < 150ml

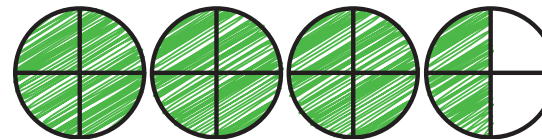
2kg > 200g

5cm < 4m



04:35

7 Write as a mixed number



3 $\frac{2}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE9

WK:7

/10

1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

2 How much change from

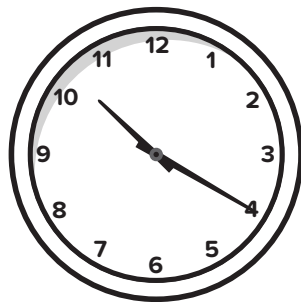


25p → 75p

4 Tick the shortest amount of time

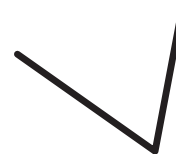
1 Minute 10 Seconds 2 Weeks

5



10:20

6 Which is the right angle?



8 $\frac{1}{2}$ of 10 = **5**

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

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

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

$\frac{1}{10}$ of 40 = **4**

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

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

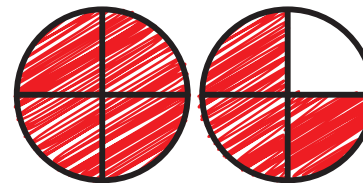
2 < or >

2L > 400ml

2kg > 1kg

1m > 10cm

7 Write as a mixed number



1 $\frac{3}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



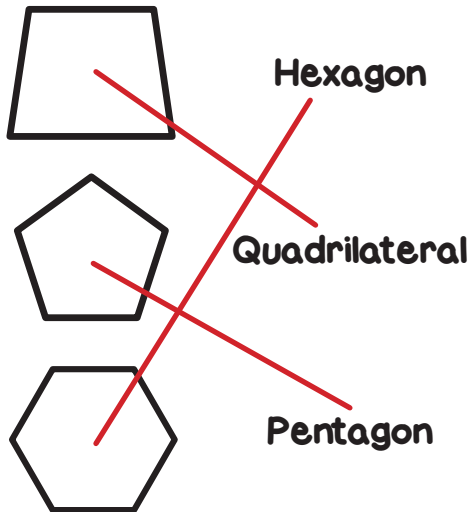
ANSWERS

SAFE 9

WK: 8

/10

1 Draw a line from the shape to its name:



2 How much change from

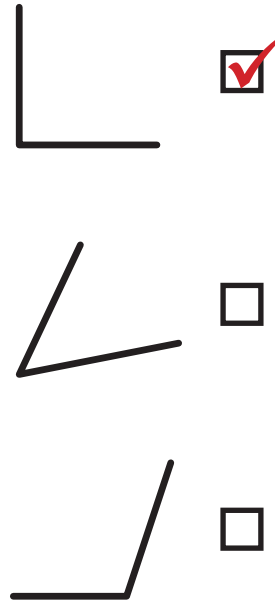


34p → 66p

4 Tick the longest amount of time

5 Days 3 Weeks 1 Month

6 Which is the right angle?



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

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

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

9 $\frac{1}{5}$ of 15 = 3

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

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

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

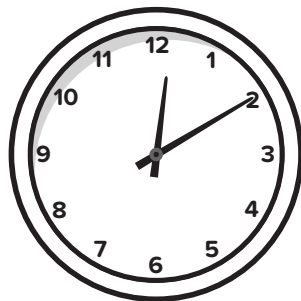
2 < or >

1cm < 1m

5kg > 5g

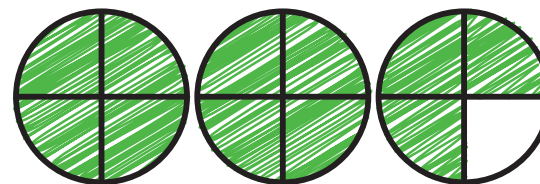
20L > 200ml

5



12:10

7 Write as a mixed number



2 $\frac{3}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



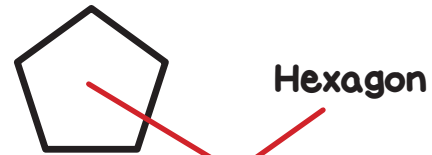
ANSWERS

SAFE 9

WK: 9

/10

1 Draw a line from the shape to its name:



3 How much change from



60p → 40p

4 Tick the longest amount of time

2 Years 100 Seconds 18 Months

6 Which is the right angle?



8 $\frac{1}{2}$ of 10 = **5**

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

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

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

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

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

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

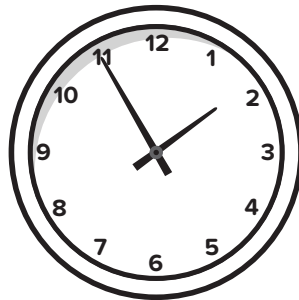
2 < or >

200g < 1kg

4L < 4500ml

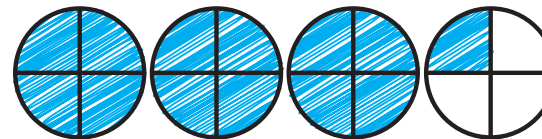
50ml > 30ml

5



01:55

7 Write as a mixed number



3 $\frac{1}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!



ANSWERS

SAFE 9

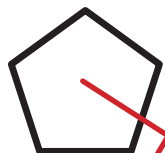
WK: 10

/10

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

2 How much change from



43p → 57p

4 Tick the shortest amount of time

3 Months 30 Minutes 11 Days

6 Which is the right angle?



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

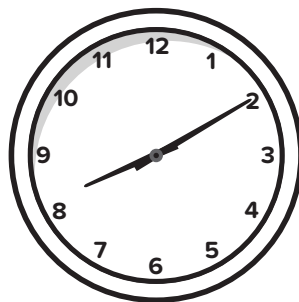
2 < or >

3L > 2L

1kg < 1700g

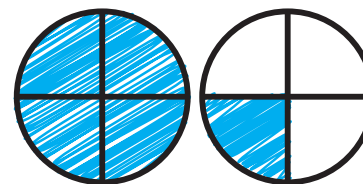
20cm < 2m

5



08:10

7 Write as a mixed number



1 $\frac{1}{4}$

MY LAST SCORE?!

HAVE I BEAT THAT?!

