Baseline Maths Assessment – Year 4

Number and Place Value

1. Complete each sequence of numbers.

0	4	8	12						
0	8	16	24						
0	50	100	150						
0	100	200	300						

2. Find the following.

10 more than 749 [ ]   100 less than 399 [ ]   100 more than 825 [ ]

100 less than 793 [ ]   10 more than 305 [ ]   10 less than 803 [ ]

3. Write the value of each underlined digit.

2̲98 _____   35̲3 _____   14̲6 _____

33̲7 _____   5̲02 _____   84̲2 _____

4. Use the symbols > or < to compare the numbers.

964 [ ] 694   525 [ ] 552   717 [ ] 720

5. Write the following numbers in words.

426 _____   708 _____

695 _____   837 _____

Addition and Subtraction

6. Solve the following problems mentally.

839 + 7 = ☐   225 − 6 = ☐

384 − 6 = ☐   199 + 9 = ☐

7. Solve the following problems mentally.

209 + 30 = ☐   783 − 40 = ☐

462 − 80 = ☐   591 + 70 = ☐

8. Solve the following problems mentally.

827 + 100 = ☐   920 − 500 = ☐

370 − 200 = ☐   638 + 300 = ☐

9. 839 + 287 =

10. 793 − 467 =

11. Estimate the answer:

529 + [ ] = 936

Now use the inverse calculation to check your answer.

12. Find the missing numbers.

637 + [ ] = 1083

[ ] − 382 = 513

Baseline Maths Assessment – Year 4 – Addition and Subtraction 2

Multiplication and Division

13. Complete the multiplication and division facts for 3, 4 and 8.

3 x 6 = ☐   8 x 9 = ☐   7 x 4 = ☐   36 ÷ 3 = ☐   8 x 5 = ☐

4 x 8 = ☐   32 ÷ 8 = ☐   11 x 8 = ☐   3 x 12 = ☐   24 ÷ 4 = ☐

27 ÷ 3 = ☐   6 x 6 = ☐   36 ÷ 4 = ☐   11 x 4 = ☐   12 x 8 = ☐

14. Teddy pays £2 for an ice cream. How much would 6 ice creams cost?

15. Amir pays £12 for a football shirt. How much would 4 shirts cost?

16. Charlotte wants to buy sweets for her class. There are 32 students in her class and 10 sweets in each bag. How many bags should she buy so each child gets 1 sweet?

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Fractions

17. Complete the sequences.

$$\frac{1}{10} \qquad \frac{2}{10} \qquad \frac{3}{10} \qquad \frac{4}{10} \qquad \square \qquad \square \qquad \square \qquad \square$$

$$\frac{9}{10} \qquad \frac{8}{10} \qquad \frac{7}{10} \qquad \frac{6}{10} \qquad \square \qquad \square \qquad \square \qquad \square$$

18. Write a fraction to represent the number of red circles and the number of blue circles.
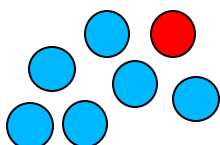
red $\square$ 　　 blue $\square$

19. Calculate the fraction of each number.

$$\frac{1}{5} \quad \text{of} \quad 20 \quad = \quad \square \qquad\qquad \frac{1}{4} \quad \text{of} \quad 32 \quad = \quad \square$$

$$\frac{2}{3} \quad \text{of} \quad 9 \quad = \quad \square \qquad\qquad \frac{2}{5} \quad \text{of} \quad 35 \quad = \quad \square$$

20. Shade the shapes to show three fractions that are equivalent to $\frac{1}{3}$.

21. Complete the calculations.

$$\frac{1}{4} + \frac{2}{4} = \boxed{}$$ $$\frac{8}{10} - \frac{5}{10} = \boxed{}$$

$$\frac{7}{8} - \frac{5}{8} = \boxed{}$$ $$\frac{3}{5} + \frac{1}{5} = \boxed{}$$

22. Order the fractions from largest to smallest.

$$\frac{1}{3} \qquad \frac{1}{5} \qquad \frac{1}{10} \qquad \frac{1}{2} \qquad \frac{1}{8} \qquad \frac{1}{4} \qquad \frac{1}{11} \qquad \frac{1}{7}$$

23. Order the fractions from smallest to largest.

$$\frac{7}{9} \qquad \frac{1}{9} \qquad \frac{5}{9} \qquad \frac{6}{9} \qquad \frac{4}{9} \qquad \frac{2}{9} \qquad \frac{8}{9} \qquad \frac{3}{9}$$

24. Marley is sharing a pizza with 4 of his friends. How many slices will it take for everyone to get two slices?
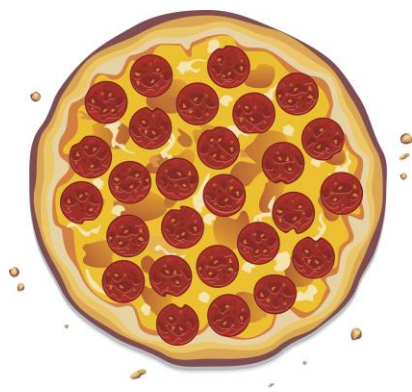
Marley needs to cut $\boxed{}$ slices for everyone to have two.

How much of the whole pizza will each child get? Write as a fraction. $\boxed{}$

Measurement

25. Use the <, > or = symbols to compare the following.

38ml		48ml	273g		446g
945kg		395kg	300m		321m
29mm		47mm	362ml		263ml
70l		52l	28cm		38cm

26. Each square is 1cm long and 1cm tall. Measure the perimeter of the rectangles.
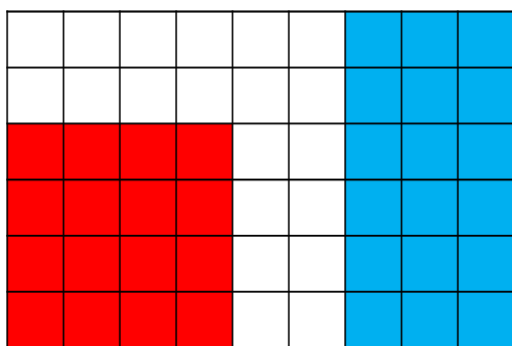
red rectangle [ ]   blue rectangle [ ]
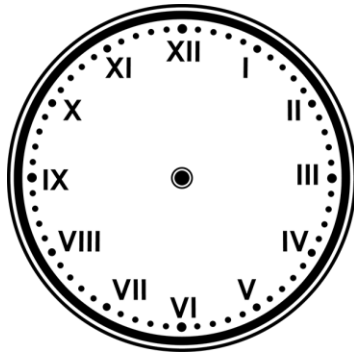
27. Find the total cost of the items listed:

milk	£1.25
eggs	£1.00
bread	£0.75
cheese	£1.10
apples	£0.80
Total:	

How much change would you receive from a ten pound note?

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28. Draw hands on the clocks to show these times.
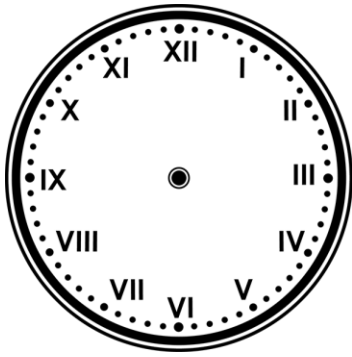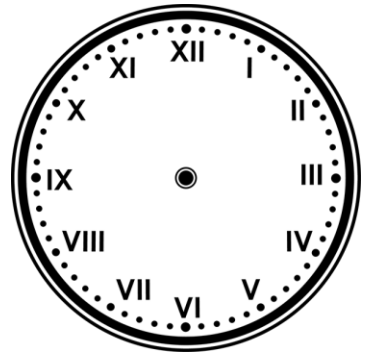
17:36	11:42	15:57

29. How many seconds are in one minute? [   ]

How many days are in the following months?

March [   ]   July [   ]   February [   ]

October [   ]   April [   ]   November [   ]

How many days are in a year? [   ]

How many days are in a leap year? [   ]

30. Use the <, > or = symbols to compare the following lengths of time.

2:00pm – 4:30pm [   ] 6:30pm – 7:30pm

9:00am – 3:00pm [   ] 8:00am – 2:00pm

4:30am – 7:30am [   ] 4:00pm – 7:00pm
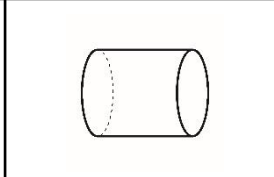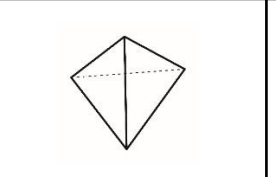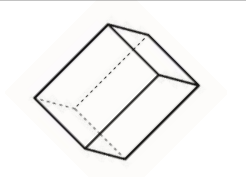
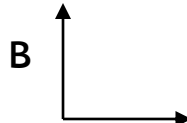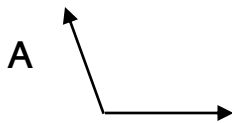4:15pm – 6:30pm [   ] 1:00am – 3:30am

Geometry

31. Draw the following 2D shapes below their names and mark on their internal angles.

square	triangle	circle	rectangle	pentagon	hexagon

32. Fill in the table with the properties of the 3D shapes.

Name of shape				
edges				
vertices				
faces				

33. Circle the right angle.

A   B   C
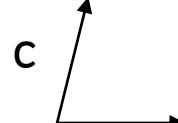
34. How many right angles make a half turn? [   ]

How many right angles make a whole turn? [   ]

35. Are the following angles greater than or less than a right angle?
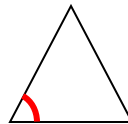
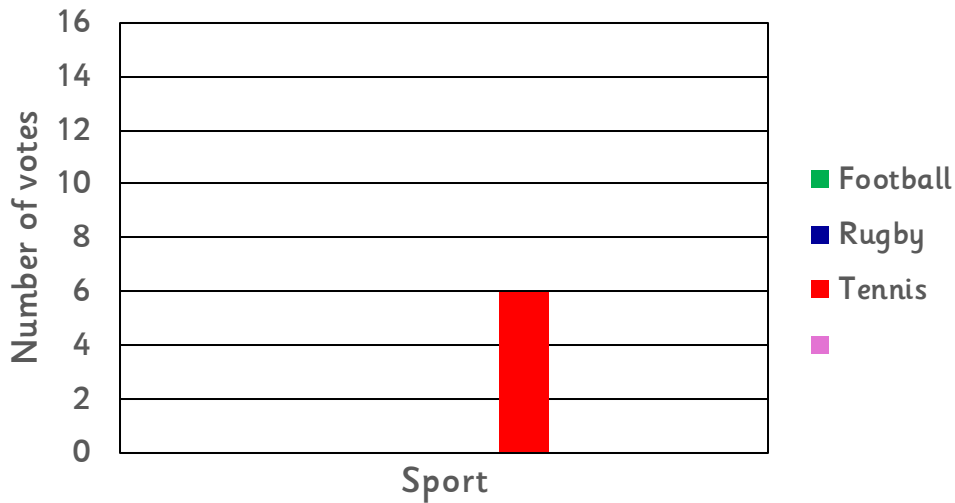36. Draw a pair of each of the following:

horizontal parallel lines	vertical parallel lines	perpendicular lines

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Statistics

37. Draw a bar chart that displays the information from the pictogram.

Sport	Votes (1 ball = 2 votes)
Football	⚽ ⚽ ⚽ ⚽ ⚽ ⚽ ⚽ ⚽
Rugby	🏉 🏉 🏉 🏉 🏉
Tennis	🎾 🎾 🎾
Basketball	🏀 🏀 🏀 🏀

Favourite Sports

Number of votes (y-axis: 0, 2, 4, 6, 8, 10, 12, 14, 16)

Sport (x-axis)

Legend:
■ Football
■ Rugby
■ Tennis
■

38. What is the most popular sport?

How many more people like football than tennis?

How many fewer people voted for basketball than rugby?

How many people voted in total?