

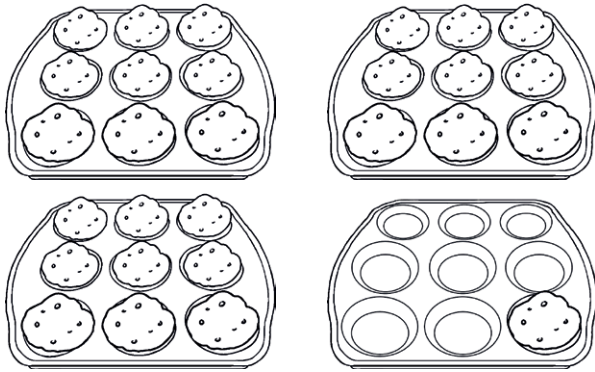
Name:

Date:

Key Stage 1 Reasoning Assessment Practice Questions: Addition and subtraction



1. I bake some buns for school. If we sell 35 and I have 28 left, how many buns did I bake?



2. I have 75p to spend at the shop. If I buy a magazine for 35p how much money do I have left?



3. I have just spent 34p at the shop and have 36p left. How much money did I have to begin with?



4. If I spend 43p, how much change will I get from £1?

5. I have a secret number. If I add 7 to my number it is 16. What is my secret number?

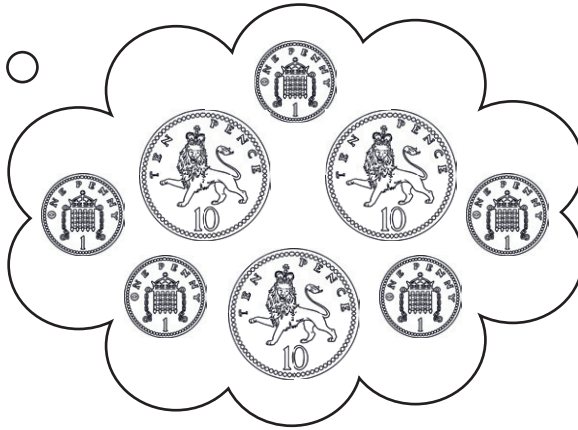
6. I think of a number and subtract 8. I end up with 27. What is the number that I think of?

7. I have 84p. I drop a coin. How much money might I have now?

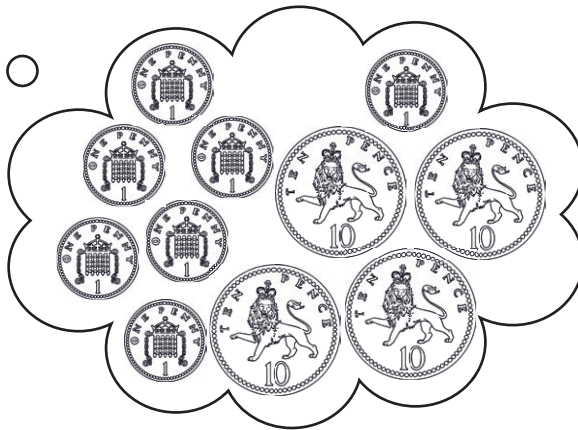


8.

a) How much money does Alex have?



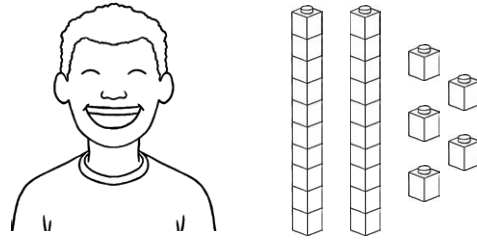
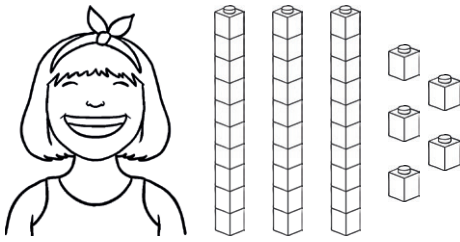
b) How much money does Abigail have?



c) How much money do they have altogether?

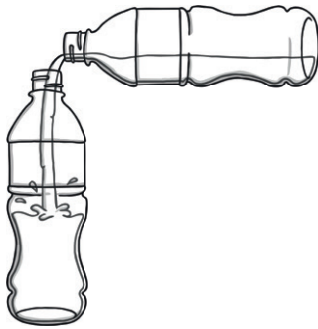
Show your working out.

9. Holly makes a number. Harry also makes a number. When they add their numbers together they get 59. Do you agree? Explain your thinking.



Explain your thinking.

10. Leeanne has 100ml of juice. She uses 82ml for a drink. How much is left in the bottle?



11. Circle sometimes, always or never to these statements.

a) If I add an odd number and another odd number I get an even number.

sometimes

always

never

b) If I add an odd number and an even number the answer will be even.

sometimes

always

never

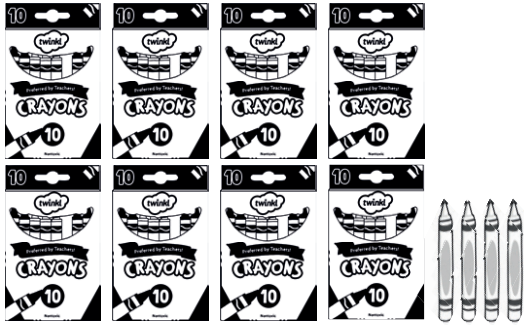
c) If I add 2 numbers which are both less than 50 the answer will be more than 100.

sometimes

always

never

12. a) There are 10 pens in a packet. How many pens does Dave have?



b) He gives 23 pens away. How many pens does he have left?

13. Do these calculations have the same answer? Write yes or no.

$$17+3 \text{ and } 3+17$$

$$17-3 \text{ and } 3-17$$

14.

a) If $2 + 8 = 10$, What is $20 + 80$?

b) If $10 - 3 = 7$, What is $100 - 30$?

15. Seema has 50 sweets, she gives 12 to Ben and 18 to Haleema. How many sweets does she have left?

Show your working out.

16. Find 3 different ways to do this.

$$\square + \square = 11$$

$$\square + \square = 11$$

$$\square + \square = 11$$

17. Work this calculation out.

$$4 + 7 = \square - \square$$

18. Work this calculation out.

$$10 + 10 = 25 - \square$$

19. Find some different ways to do this.

$$15 = \square + \square$$

$$15 = \square + \square$$

$$15 = \square + \square$$

20. Nigel thinks $20 - 7 = 12$. Is he right?

Explain your thinking.

21. Use these numbers to create 4 number sentences.

23, 6, 29

$$\square + \square = \square$$

$$\square + \square = \square$$

$$\square - \square = \square$$

$$\square - \square = \square$$

22. Can you check this addition with a subtraction?

$$35 + 15 = 50$$

$$\square - \square = \square$$

23. Continue the pattern.

$$20 - 1 = 19$$

$$20 - 2 = 18$$

$$\square - \square = \square$$

$$\square - \square = \square$$

24. Abigail has £1 in 10p coins.



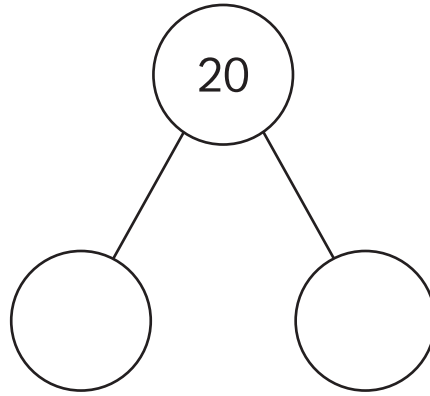
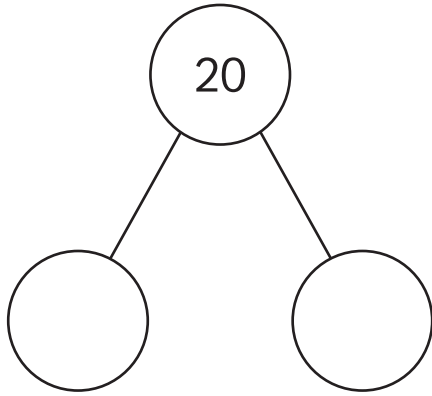
There are many different ways you can split them into 2 groups. Here is one way:

$$30p + 70p = £1$$

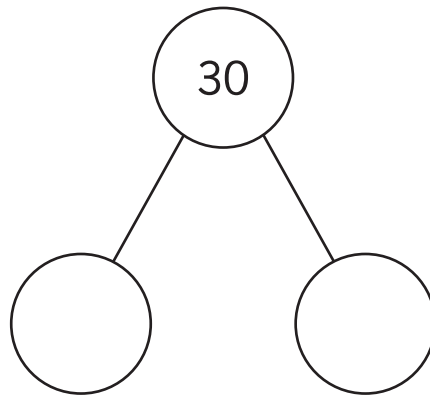
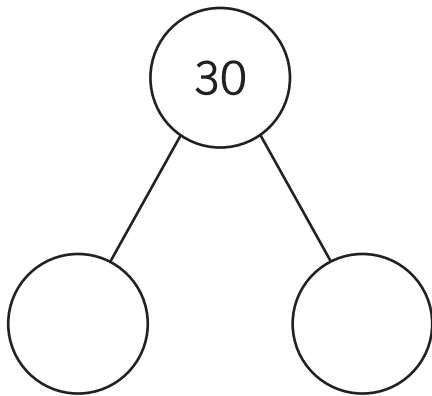
Can you write a different way?

$$\square + \square = \square$$

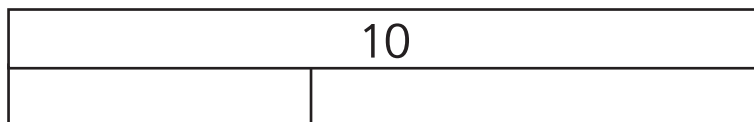
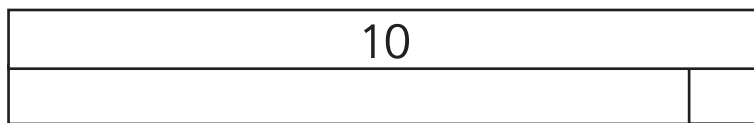
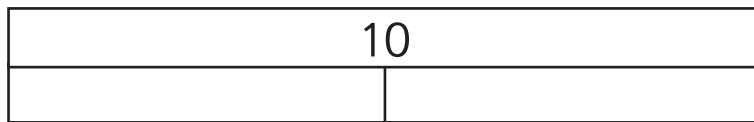
25. Fill in these part whole diagrams in different ways.



26. Fill in these part whole diagrams in different ways.



27. Can you fill in the numbers on the bar model?



28. Can you fill in the missing number on the bar model?



Answer Sheet: Key Stage 1 Reasoning Assessment Practice: Addition and Subtraction



question	answer	notes
1	63 buns	
2	40p	
3	70p	
4	57p	
5	9	
6	35	
7	Accept 34p, 64p, 74p, 82p or 83p	
8(a)	35p	
(b)	47p	
(c)	82p	
9	No, the total is 60	
10	18ml	
11(a)	always	
(b)	never	
(c)	never	
12(a)	84	
(b)	61	
13	yes, no	
14	100, 70	
15	20 sweets	
16	Accept any 3 appropriate answers	
17	Accept any subtraction that equals 11	E.g. $15 - 4$
18	5	
19	Accept any 3 appropriate answers	
20	No, as $10 - 7 = 3$ so $20 - 7 = 3$	
21	$23 + 6 = 29$, $6 + 23 = 29$, $29 - 6 = 23$, $29 - 23 = 6$	
22	$50 - 15 = 35$ / $50 - 35 = 15$	
23	$20 - 3 = 17$ and $20 - 4 = 16$	

question	answer	notes
24	Accept any appropriate answer	
25	Accept any appropriate answer	
26	Accept any appropriate answer	
27	5 and 5, 9 and 1, 6 and 4	
28	Correct answer of 14. Accept between 10 - 15	