

# Number Facts

## Ready-to-Progress Assessment

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Fill in the missing number in each box to complete the calculations.

$3 \times 6 = \boxed{\phantom{00}}$

$2 \times \boxed{\phantom{00}} = 24$

$9 \times \boxed{\phantom{00}} = 63$

$8 \times 8 = \boxed{\phantom{00}}$


$\boxed{\phantom{00}} \times 5 = 55$


$\boxed{\phantom{00}} \times 9 = 90$

$3 \times \boxed{\phantom{00}} = 12$

$7 \times 6 = \boxed{\phantom{00}}$

2. Circle the numbers that sum to the number shown in each star.

a)  0.5    0.6    0.01  
0.4    0.05    0.09    0.04

b)  0.1    0.08    0.01  
0.4    0.06    0.8    0.6

3. Complete each set of calculations.

a)  $3 \times 6 = \boxed{\phantom{00}}$

b)  $7 \times 5 = \boxed{\phantom{00}}$

$0.3 \times 6 = \boxed{\phantom{00}}$

$7 \times 0.5 = \boxed{\phantom{00}}$

$3 \times 0.06 = \boxed{\phantom{00}}$

$0.07 \times 5 = \boxed{\phantom{00}}$

4. Match the word problem to the division fact needed to solve it and complete each calculation.

Kemal plays football every day for 28 days. How many weeks in a row does he play football?

$14 \div 7 = \boxed{\phantom{00}}$

28 children sit on tables of 4. How many tables are needed?

$49 \div 7 = \boxed{\phantom{00}}$

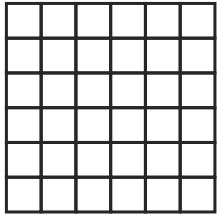
Elif runs the same distance every day for a week. By the end of the week she has run 14km. How far did she run each day?

$28 \div 4 = \boxed{\phantom{00}}$

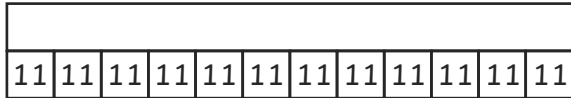
49 children are put into teams of 7. How many teams will there be?

$28 \div 7 = \boxed{\phantom{00}}$

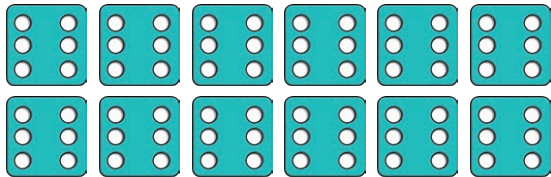
5. Match the multiplication fact to the model it represents and complete each calculation.



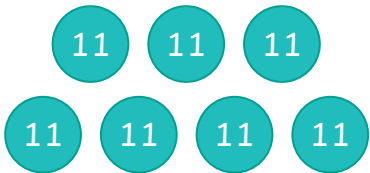
$11 \times 12 = \square$



$6 \times 12 = \square$



$11 \times 7 = \square$



$6 \times 6 = \square$

2 marks

6. Mr Limehouse, the school caretaker, is planning on painting some markings on the playground but needs to work out how much paint he will need.



a) Each hopscotch game uses 0.8 litres of paint and he is going to paint 4 games. How much paint will he use?

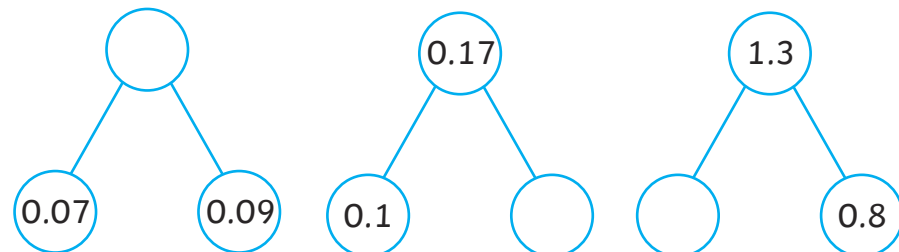
litres

b) For a rainbow, each of the 7 colours uses 0.09 litres of paint. How much paint does each rainbow use?

litres

2 marks

7. Complete the part-whole models.



2 marks

8. Check each calculation and put a tick in the box if they are correct.

Calculation	✓
$0.82 + 0.28 = 1$	<input type="checkbox"/>
$0.2 \times 5 = 1$	<input type="checkbox"/>
$0.04 + 0.08 = 0.012$	<input type="checkbox"/>
$0.1 - 0.09 = 0.01$	<input type="checkbox"/>
$0.12 \div 4 = 0.03$	<input type="checkbox"/>
$0.03 \times 4 = 1.2$	<input type="checkbox"/>

Copy out the incorrect calculations and work out the correct answers.

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9. Fill in the missing number in each box to complete the calculations.

$27 \div \boxed{\phantom{00}} = 3$

$81 \div \boxed{\phantom{00}} = 9$

$110 \div \boxed{\phantom{00}} = 10$

$24 \div 3 = \boxed{\phantom{00}}$

$\boxed{\phantom{00}} \div 7 = 5$

$\boxed{\phantom{00}} \div 11 = 6$

$80 \div \boxed{\phantom{00}} = 8$

$60 \div 5 = \boxed{\phantom{00}}$

2 marks

2 marks

10. Usman is meeting his friend at the park and pops into the sweet shop on the way. He walks 0.7km to the sweet shop and then 0.8km from the sweet shop to the park. How far has he walked?

km

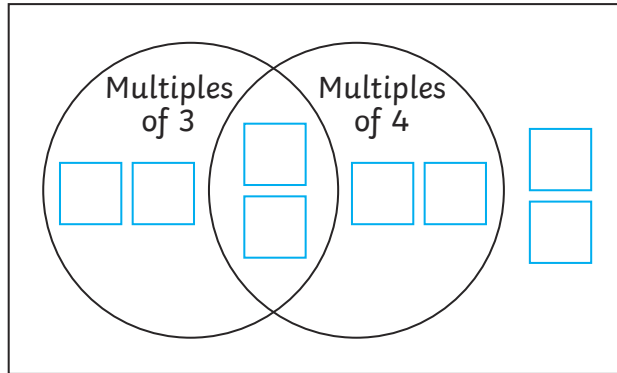
On the way back, he goes straight home and walks 0.9km. How much further did he walk on his way to the park?

km

2 marks



11. Write 2 numbers less than 50 in each section of the Venn diagram.



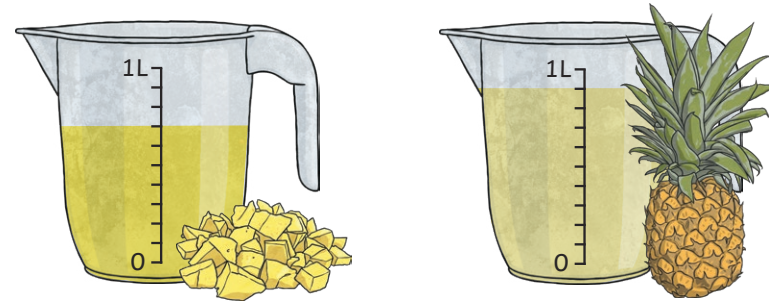
12. Layla is raising money for her local animal charity. She makes decorated cupcakes and sells them in boxes of 6. On Saturday, Layla makes 48 cupcakes. How many full boxes does she make?

full boxes

Layla sells 3 of the boxes of cupcakes to her neighbour. Each box costs £3. How much does her neighbour pay?

£

13. Rayyan is making a fruit drink. He measures out mango juice and pineapple juice in jugs.



How much fruit drink will he make in litres?

litres

Rayyan shares his drink with his friends. He pours 0.2 litres into each glass.

How many glasses can he fill?

litres

2 marks

2 marks

2 marks

Total  
26 marks