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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                              | DATE: 22.06.2020                                                                    |
| WORKSHEET NUMBER: 9                                                                                                                      | Constructing Expressions                                                          |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    | <a href="https://youtu.be/MBmKw4VCqKw">https://youtu.be/MBmKw4VCqKw</a>           |                                                                                     |

### WORKSHEET – 9 (Constructing Expressions)

1. Write down an expression for the answer to each of these::
  - (a) Ali has  $x$  paintings. He buys two more. How many paintings does he now have?
  - (b) Mia is  $m$  years old Tanisha is  $t$  years old. What is the total of their ages?
  - (c) Aya can store  $v$  video clips on one memory card. How many video clips can he store in 5 memory cards?
  
2. The cost of an adult meal in a fast food restaurant is  $\$a$ .  
 The cost of a child's meal in the same restaurant is  $\$c$ .  
 Write an expression for the total cost of meals for each group:
  - (i) 1 adult and 1 child.                      (ii) 1 adult and 3 child.
  - (ii) 4 adult and 2 child.                      (iv) 6 adult and 5 child.
  
3. Work out the value of each expression:
  - (a)  $m + 10$  when  $m = 7$                       (b)  $b - 3$  when  $b = 12$
  - (c)  $c + z$  when  $c = 8$  and  $z = 17$                       (d)  $d - y$  when  $d = 40$  and  $y = 11$
  - (e)  $e / 7$  when  $e = 42$                       (f)  $15f$  when  $f = 13$
  
4. Write a formula for the number of hours in any number of days, using:
  - (a) (i) words                      (ii) letters
  - (b) Use your formula in part (a) to work out the number of hours in 4 days.

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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                              | DATE: 24.06.2020                                                                    |
| WORKSHEET NUMBER: 10                                                                                                                     | Place value, Ordering and Rounding                                                |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    | <a href="https://youtu.be/7a1ikLbIZAs">https://youtu.be/7a1ikLbIZAs</a>           |                                                                                     |

### WORKSHEET – 10 (Place value, Ordering and Rounding)

1. Here are some decimal numbers:




|       |       |         |      |       |
|-------|-------|---------|------|-------|
| 23.75 | 367.8 | 243.674 | 5.56 | 4.567 |
| 6.754 | 1.25  | 537.89  | 1.2  | 2.43  |

Write down all the numbers that have

(a) One decimal place      (b) Two decimal place      (c) Three decimal place

2. Write down the value of the **red digit** in each of these numbers:

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| (a) 45. <b>7</b> 38  | (b) <b>1</b> 23.7643 | (c) 7.85 <b>4</b> 3  |
| (d) <b>3</b> 4529.56 | (e) 26.78 <b>6</b> 5 | (f) 65.74 <b>5</b> 3 |

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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                              | DATE: 27.06.2020                                                                    |
| WORKSHEET NUMBER: 11                                                                                                                     | Place value, Ordering and Rounding                                                |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    | <a href="https://youtu.be/7a1ikLbIZAs">https://youtu.be/7a1ikLbIZAs</a>           |                                                                                     |

### WORKSHEET – 11 (Place value, Ordering and Rounding)

1. Write these decimal numbers in order of size, starting with the smallest:

( i ) 22.2, 22.02, 22.57, 21.9, 21.09

( ii ) 42.35, 43.5, 46.75, 49.5, 41.3

( iii ) 18.56, 18.51, 15.5, 22.5, 8.5

( iv ) 15.50, 10.50, 15.0, 15.50, 25.55




2. Write the correct sign, = , > , < , between each pair:

( i ) 22.8            22.83

( ii ) 12.60            12.8

( iii ) 4.05            4.50

( iv ) 5.22            5.20

|                                                                                                                                           |                                                                                   |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| GRADE: 6                                                                                                                                  | SUBJECT: Mathematics                                                              | DATE: 30.06.2020                                                                    |
| WORKSHEET NUMBER: 12                                                                                                                      | WORKSHEET TOPIC: Rounding, Adding and Subtracting decimals                        |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                     | <a href="https://youtu.be/7a1ikLbIZAs">https://youtu.be/7a1ikLbIZAs</a>           |                                                                                     |

### **WORKSHEET – 12 (Rounding, Adding and Subtracting decimals)**

1. Work these out:

( i )  $2.5 + 4.6$

( ii )  $6.7 + 9.5$

( iii )  $8.5 + 1.7$

( iv )  $3.5 + 8.3$

( v )  $9.7 - 7.6$

( vi )  $5.2 - 1.4$

2. Round each number to the nearest 10:

(i) 38




(ii) 12

(iii) 253

(iv) 876

(v) 142

(vi) 3604

|                                                                                                                                   |                                                                                   |                                                                                     |
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|  Cambridge Assessment<br>International Education |  |  |
| GRADE: 6                                                                                                                          | SUBJECT: Mathematics                                                              | DATE: 01.07.2020                                                                    |
| WORKSHEET NUMBER: 13                                                                                                              | WORKSHEET TOPIC: Multiplying and Dividing decimals                                |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                             | <a href="https://youtu.be/7a1ikLbIZAs">https://youtu.be/7a1ikLbIZAs</a>           |                                                                                     |

### WORKSHEET – 13 (Multiplying and Dividing decimals)

1. Work these out:

( i )  $2 \times 4.6$

( ii )  $7 \times 9.5$

( iii )  $5 \times 1.7$

( iv )  $3 \times 8.3$

( v )  $9 \times 7.6$

2. Work these out:




( i )  $4.6 \div 2$

( ii )  $9.5 \div 5$

( iii )  $10.2 \div 3$

( iv )  $48.4 \div 4$

( v )  $76 \div 10$

|                                                                                                                                          |                                                                                   |                                                                                     |
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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                              | DATE: 07.07.2020                                                                    |
| WORKSHEET NUMBER: 14                                                                                                                     | WORKSHEET TOPIC: Estimating and approximating                                     |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    | <a href="https://youtu.be/7a1ikLbIZAs">https://youtu.be/7a1ikLbIZAs</a>           |                                                                                     |

### **WORKSHEET – 14 (Estimating and approximating)**

1. Work out an estimate for each calculation:

( i )  $62 \times 46$

( ii )  $19 \times 92$




( iii )  $51 \times 17$

( iv )  $13 \times 82$

( v )  $19 \times 81$

2. Rosi pays \$ 7.56 for 6 bags of beads. How much does one bag of beads cost?

3. Mia is a carpenter. He charges \$ 18 per hour. He takes 8.5 hours to do a job on Tuesday. How much does he charge for this job?

|                                                                                                                                           |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| GRADE: 6                                                                                                                                  | SUBJECT: Mathematics                                                               | DATE: 08.07.2020                                                                    |
| WORKSHEET NUMBER: 15                                                                                                                      | WORKSHEET TOPIC: Length, mass and capacity                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                     |                                                                                    |                                                                                     |




### **WORKSHEET – 15 (Length, mass and capacity)**

1. Convert these measures:

- (a) 3.5 km into metres
- (b) 5.5 litre into ml
- (c) 65 kg into grams
- (d) 4m into cm
- (e) 5 tonne into kg
- (f) 4000 m into km

2. Write these decimal measurements in each set in order of size, starting with the smallest:


- ( i ) 22m, 220cm, 20.2km, 219m
- ( ii ) 42kg, 4305g, 4675g, 49kg

|                                                                                                                                           |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| GRADE: 6                                                                                                                                  | SUBJECT: Mathematics                                                               | DATE: 14.07.2020                                                                    |
| WORKSHEET NUMBER: 16                                                                                                                      | WORKSHEET TOPIC: Length, mass and capacity                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                     | Use Metric conversion chart                                                        |                                                                                     |

### **WORKSHEET – 16 (Length, mass and capacity)**

1. Which metric units would you use to measure each of the following:
  - ( i ) The mass of an orange.
  - ( ii ) The capacity of a spoon.
  - ( iii ) The capacity of a bottle.
  - ( iv ) The height of a cow.
  - ( v ) The mass of a person.
2. Mia has a brother who is 5 years old. She estimates his weight is 60 kg. Is this a reasonable estimate? Give reason?
3. It takes Sasha 2 hours to drive from her house to his brother's house. She estimate the distance from her house to his brother's house is 400km. Is this a reasonable estimate? Give reason?



|                                                                                                                                           |                                                                                   |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| <b>GRADE: 6</b>                                                                                                                           | <b>SUBJECT: MATHEMATICS</b>                                                       | <b>DATE: 15.07.2020</b>                                                             |

**REVISION TEST**

**M.M. - 7**

Q.1 Fill in the missing terms that go in the boxes:

(i) 26, 23, , 17, 14, 11

(ii) 2, 6, 10, , 18, 22 (2)




Q.2 The third term of a sequence is 48. The term-to-term rule is ‘subtract 2 then multiply by 3’ what is the first term of the sequence (2)

Q.3 For the following sequence of numbers: 3, 8, 13, 18, . . . , . . . , . . .

( i )Write down the term – to – term rule.

( ii )Write down the position – to – term rule.

( iii ) Write next three terms. (3)

|                                                                                                                                           |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| GRADE: 6                                                                                                                                  | SUBJECT: Mathematics                                                               | DATE: 04.08.2020                                                                    |
| WORKSHEET NUMBER: 17                                                                                                                      | WORKSHEET TOPIC: Fractions                                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                     | <a href="https://youtu.be/0b-J9gT22tA">https://youtu.be/0b-J9gT22tA</a>            |                                                                                     |

### **WORKSHEET – 17 (Fractions)**

**1.** Find three equivalent fractions of the following:

(a)  $\frac{2}{5}$

(b)  $\frac{3}{4}$

(c)  $\frac{5}{6}$

**2.** Express each of the following fractions in its simplest form:

(a)  $\frac{12}{36}$

(b)  $\frac{15}{25}$




(c)  $\frac{24}{80}$

**3.** Write these decimal numbers as fractions in their simplest form:

(a) 0.4

(b) 0.08

(c) 0.845

|                                                                                                                                           |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment<br/>International Education</b> |  |  |
| GRADE: 6                                                                                                                                  | SUBJECT: Mathematics                                                               | DATE: 05.08.2020                                                                    |
| WORKSHEET NUMBER: 18                                                                                                                      | WORKSHEET TOPIC: Fractions                                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                     | <a href="https://youtu.be/0b-J9gT22tA">https://youtu.be/0b-J9gT22tA</a>            |                                                                                     |

## WORKSHEET – 18 (Fractions)

1. Work these out:

$$(i) \frac{1}{5} + \frac{3}{10}$$

$$(ii) \frac{3}{8} + \frac{7}{16}$$

$$(iii) \frac{2}{7} + \frac{1}{21}$$

$$(iv) \frac{3}{4} + \frac{1}{8}$$

2. Work these out:




$$(i) \frac{1}{5} \text{ of } 150$$

$$(ii) \frac{5}{8} \text{ of } 64$$

$$(iii) \frac{2}{15} \text{ of } 300$$

$$(iv) \frac{3}{4} \text{ of } 120$$



|                                                                                                                                          |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                               | DATE: 11.08.2020                                                                    |
| WORKSHEET NUMBER: 19                                                                                                                     | WORKSHEET TOPIC: Fractions                                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    | <a href="https://youtu.be/0b-J9gT22tA">https://youtu.be/0b-J9gT22tA</a>            |                                                                                     |

### WORKSHEET – 19 (Fractions)

1. Work out these divisions:

(i)  $\frac{36}{5}$




(ii)  $\frac{16}{3}$

(iii)  $\frac{55}{12}$

(iv)  $\frac{758}{4}$

(v)  $\frac{342}{13}$

(vi)  $\frac{895}{25}$

|                                                                                                                                          |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                               | DATE: 18.08.2020                                                                    |
| WORKSHEET NUMBER: 20                                                                                                                     | WORKSHEET TOPIC: Expressions and equations                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    |                                                                                    |                                                                                     |

### WORKSHEET – 20 (Collecting like terms)

#### 1. Simplify:

(i)  $8m + 2m + 4m$

(ii)  $7t - 2t$




(iii)  $2a + 3a + 5b - 3b$

(iv)  $6a + 2ab - a + 8ab$

(v)  $12rs - 5r - 3rs + 13r$

(vi)  $5n + 7 + 3n + 8$

(vii)  $2y - 3z - 8y + 17z$

|                                                                                                                                          |                                                                                    |                                                                                     |
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|  <b>Cambridge Assessment</b><br>International Education |  |  |
| GRADE: 6                                                                                                                                 | SUBJECT: Mathematics                                                               | DATE: 19.08.2020                                                                    |
| WORKSHEET NUMBER: 21                                                                                                                     | WORKSHEET TOPIC: Expressions and equations                                         |                                                                                     |
| INSTRUCTION (IF ANY):                                                                                                                    |                                                                                    |                                                                                     |

### **WORKSHEET – 21 (Collecting like terms)**

**1. Expand the brackets:**

(i)  $2(m + 4)$

(ii)  $7(t - 2)$

(iii)  $5(b - 3)$

(iv)  $6(9a + 7)$

(v)  $12(4r - 5)$

(vi)  $5(3n + 7)$

(vii)  $2(7y - 3)$

(viii)  $4(12 - 6q)$