For questions 1 to 6, circle the correct answer.

1. What is the smallest number you can make with these digits?
   4 7 2 9
   a) 2749
   b) 4297
   c) 2947
   d) 2479

2. 3000 + 800 + 4 has the same value as:
   a) 3840
   b) 3804
   c) 3084
   d) 38004

3. The number that is 100 less than 6759 is:
   a) 6859
   b) 5759
   c) 6659
   d) 6769

4. Here is a sequence:
   3.6, 3.7, 3.8, 3.9, …, ….
   What are the next two numbers?
   a) 4.1, 4.2
   b) 4.9, 5.9
   c) 3.10, 3.11
   d) 4.0, 4.1

5. What fraction is shaded?

   a) 0.6
   b) 0.4
   c) 0.2
   d) 0.5

6. Which sequence has the rule ‘× 2 + 3’?
   a) 2, 3, 4, 5
   b) 2, 7, 17, 37
   c) 2, 5, 8, 11
   d) 2, 4, 3, 6

7. The answer to a question is 2.1.
   Write a question for each of these:
   a) An addition calculation with 2.1 as the answer.
      
      _______ + _______ = 2.1
   b) A subtraction calculation with 2.1 as the answer.
      
      _______ – _______ = 2.1
   c) A sequence with 2.1 as one of the terms.
      
      _______ _______ _______ _______
For questions 1 to 6, circle the correct answer.

1. What is the total of 3, 6, 2 and 17?
   a) 26
   b) 28
   c) 27
   d) 18

2. What is the difference between 63 and 26?
   a) 89
   b) 43
   c) 37
   d) 33

3. There is an error in this calculation.
   \[
   348 + 127 = 465
   \]
   What is the error?
   a) adding the hundreds incorrectly
   b) not carrying into the tens column
   c) not carrying into the hundreds column
   d) subtracting instead of adding

4. Your brother wants to buy a motor scooter.
   It costs $1000.
   He has $650.
   How much more does he need?
   a) $450
   b) $400
   c) $350
   d) $360

5. Find the correct answer.
   \[
   \begin{array}{c}
   465 \\
   +286
   \end{array}
   \]
   a) 651
   b) 841
   c) 741
   d) 751

6. What number makes this number sentence correct?
   \( 100 - \square = 23 \)
   a) 87
   b) 83
   c) 77
   d) 73

7. Use 2-digit and 3-digit numbers.
   Make up four number sentences with an answer of 527.

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For questions 1 to 6, circle the correct answer.

1. What is $26 \times 6$?
   a) 152
   b) 156
   c) 126
   d) 166

2. Half of 94 is:
   a) 42
   b) 49
   c) 47
   d) 52

3. I know 415 is a multiple of 5 because:
   a) it is an odd number.
   b) the tens digit is a 5.
   c) the ones digit is a 5.
   d) the sum of the digits is in the 5× table.

4. $8 \times 10 \times 6 = 480$
   Three of these answers are alternative ways of expressing this calculation.
   Which one is incorrect?
   a) $4 \times 10 \times 12$
   b) $16 \times 5 \times 6$
   c) $9 \times 10 \times 5$
   d) $80 \times 6$

5. $760 \div 10 =$
   a) 7.6
   b) 7600
   c) 760
   d) 76

6. Which of these is not true?
   a) 20 is a multiple of 2
   b) 20 is a multiple of 3
   c) 20 is a multiple of 4
   d) 20 is a multiple of 5

7. $34 \times 7 =$ □
   Solve this calculation.

Make up a number story using these numbers.
For questions 1 to 6, circle the correct answer.

1. Which one of these is correct?
   a) $56 \div 8 = 8$
   b) $56 \div 8 = 7$
   c) $56 \div 8 = 9$
   d) $56 \div 8 = 6$

2. Which one of these is correct?
   a) $71 \div 3 = 23 \text{ r } 1$
   b) $71 \div 3 = 20 \text{ r } 2$
   c) $71 \div 3 = 23 \text{ r } 2$
   d) $71 \div 3 = 23 \text{ r } 3$

3. Which one of these number sentences is incorrect?
   a) $63 \div 7 = 9$
   b) $9 \times 7 = 63$
   c) $9 \div 63 = 7$
   d) $63 \div 9 = 7$

4. You are dividing a number by 6.
   What is the largest number that you can have as a remainder?
   a) 4
   b) 5
   c) 6
   d) 0

5. Which number in this division calculation is the quotient: $19 \div 5 = 3 \text{ r } 4$
   a) 19
   b) 5
   c) 3
   d) 4

6. In a picture, a camel is 25 cm high.
   This is $\frac{1}{6}$ of the real height.
   What is the height of the real camel?
   a) 1.5 m
   b) 150 m
   c) 250 cm
   d) 2.5 m

7. Use these numbers to write two division problems.
   $$4 \quad 5 \quad 66 \quad 77$$
   • Write one problem where you need to round up the answer.
     ____________________________
     ____________________________
     ____________________________
     ____________________________
   • Write one problem where you need to round down the answer.
     ____________________________
     ____________________________
     ____________________________
     ____________________________
For questions 1 to 6, circle the correct answer.

1. Which fraction is less than \( \frac{1}{2} \)?
   a) \( \frac{3}{4} \)
   b) \( \frac{4}{8} \)
   c) \( \frac{3}{8} \)
   d) \( \frac{2}{3} \)

2. Which of these diagrams does not show \( \frac{3}{4} \)?
   a) 
   b) 
   c) 
   d) 

3. Which fraction is greater than \( \frac{1}{2} \)?
   a) \( \frac{2}{4} \)
   b) \( \frac{3}{8} \)
   c) \( \frac{5}{10} \)
   d) \( \frac{2}{3} \)

4. Which of these is not equal to \( 2\frac{1}{2} \)?
   a) \( 2\frac{4}{8} \)
   b) 2.5
   c) \( 2\frac{6}{8} \)
   d) \( 2\frac{5}{10} \)

5. Which is incorrect?
   a) \( \frac{2}{5} = \frac{4}{10} \)
   b) \( \frac{5}{10} = \frac{4}{8} \)
   c) \( \frac{3}{4} = \frac{6}{8} \)
   d) \( \frac{2}{3} = \frac{6}{10} \)

6. In which word are \( \frac{1}{3} \) of the letters vowels?
   a) March
   b) April
   c) May
   d) June

7. Draw three different diagrams each with \( \frac{1}{4} \) coloured in.
For questions 1 to 6, circle the correct answer.

1. What is $\frac{3}{4}$ of 20?
   a) 16
   b) 15
   c) 5
   d) 12

2. $\frac{1}{4}$ as a decimal is:
   a) 0.14
   b) 0.4
   c) 0.25
   d) $\frac{2}{5}$

3. Which fraction is not equal to $\frac{1}{2}$?
   a) $\frac{4}{8}$
   b) $\frac{50}{100}$
   c) $\frac{5}{100}$
   d) $\frac{5}{10}$

4. How many fifths are there in $\frac{21}{5}$?
   a) 21
   b) 11
   c) 6
   d) 12

5. Which is incorrect?
   a) $0.2 = \frac{1}{5}$
   b) $0.6 = \frac{6}{10}$
   c) $0.4 = \frac{4}{5}$
   d) $0.75 = \frac{3}{4}$

6. What is $\frac{2}{3}$ of 60?
   a) 20
   b) 23
   c) 30
   d) 40

7. These answers are all incorrect.
   For each one:
   • write the correct answer
   • try to explain why the answer was wrong.
   a) Wrong answer: $0.3 < 0.2$
      Correct answer: $0.3$  0.2
      It was incorrect because:

   b) Wrong answer: $6.2 \times 10 = 6.20$
      Correct answer: $6.2 \times 10 = \quad$
      It was incorrect because:

   c) Wrong answer: $\frac{1}{4} + \frac{3}{4} = \frac{4}{8}$
      Correct answer: $\frac{1}{4} + \frac{3}{4} = \quad$
      It was incorrect because:
For questions 1 to 6, circle the correct answer.

**1. What is \(3 \frac{1}{2}\) km in metres?**
   - a) 350 m
   - b) 3200 m
   - c) 3000 \(\frac{1}{2}\) m
   - d) 3500 m

**2. What is 700 g in kilograms?**
   - a) 0.7 kg
   - b) 0.07 kg
   - c) 7 kg
   - d) 0.007 kg

**3. What is the perimeter of this rectangle?**
   - a) 8 cm
   - b) 10 cm
   - c) 12 cm
   - d) 10 cm²

**4. What is the value of each interval?**
   ![Weight Scale Image]
   - a) 10 g
   - b) 1000 g
   - c) 100 g
   - d) 500 g

**5. What is the area of this rectangle?**
   ![Rectangle Image]
   - a) 15 cm
   - b) 15 cm²
   - c) 12 cm²
   - d) 16 cm²

**6. A glass of lemonade is 200 ml. How many glasses are there in 2 litres?**
   - a) 20
   - b) 100
   - c) 10
   - d) 400

**7. What has:**
   - a) a length of about \(\frac{1}{4}\) km
   - b) a capacity of about 200 ml
   - c) a mass of about 1 kg?
For questions 1 to 5, circle the correct answer.

1. This clock shows:
   a) 8.25
   b) 5.37
   c) 7.25
   d) 5.07

2. Another way of saying ‘12.50’ is:
   a) 1.10
   b) 10 to 12
   c) 10 to 1
   d) 50 past 12

3. How many years are there in a millennium?
   a) a million
   b) a hundred
   c) a thousand
   d) two thousand

4. A film starts at 3.10 p.m. and ends at 4.25 p.m. How long is the film?
   a) 75 minutes
   b) 95 minutes
   c) 115 minutes
   d) 35 minutes

5. How many days are there altogether in June and July?
   a) 60
   b) 31
   c) 365
   d) 61

6. Draw hands on the clock to show 2.40:

7. Here is a timetable for a daytrip. Complete the missing times:

<table>
<thead>
<tr>
<th>Tour start</th>
<th>Castle</th>
<th>Lunch stop</th>
<th>Museum</th>
<th>Tour ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.30 a.m.</td>
<td>10.20 a.m</td>
<td>12.00 noon</td>
<td>1.25 p.m.</td>
<td>4.00 p.m.</td>
</tr>
<tr>
<td>10.15 a.m</td>
<td>11.05 a.m</td>
<td></td>
<td>2.10 p.m.</td>
<td></td>
</tr>
<tr>
<td>11.10 a.m</td>
<td>1.40 p.m</td>
<td></td>
<td></td>
<td>5.40 p.m.</td>
</tr>
<tr>
<td>12.15 p.m</td>
<td></td>
<td>1.55 p.m.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
For questions 1 to 5, circle the correct answer.

1. The faces of a tetrahedron are:
   a) 4 scalene triangles
   b) 4 equilateral triangles
   c) 4 squares
   d) 4 isosceles triangles.

2. Which one of these is a net for a cube?
   a) 
   b) 
   c) 
   d) 

3. How many sides does a heptagon have?
   a) 5
   b) 6
   c) 7
   d) 8

4. Which of these shapes does not have any triangular faces?
   a) square-based pyramid
   b) tetrahedron
   c) pentagonal prism
   d) pentagonal pyramid

5. How many edges does a triangular prism have?
   a) 12
   b) 9
   c) 3
   d) 8

6. Draw lines to match each triangle diagram to the correct name.

   - equilateral triangle
   - right-angled triangle
   - isosceles triangle (not right-angled)
   - scalene triangle

7. Draw the net for a hexagonal pyramid:
For questions 1 to 6, circle the correct answer.

1. How many degrees are there in two right angles?
   a) 4°
   b) 90°
   c) 180°
   d) 360°

2. What is the size of this angle?
   a) 45°
   b) 25°
   c) 135°
   d) 85°

3. You are facing north.
   You turn 270° clockwise.
   What direction are you facing now?
   a) south
   b) east
   c) south-west
   d) west

4. How many right angles are there in a complete turn?
   a) 360°
   b) 2
   c) 4
   d) 90°

5. What are the coordinates of X?
   a) (2, 3)
   b) (3, 2)
   c) (3, 3)
   d) (3, 1)

6. You are facing south.
   You turn 45°.
   Which direction can you be facing now?
   a) south or south-west
   b) south-west or west
   c) south-east or south-west
   d) north-east or north-west

7. Mark all the angles that are less than 90° with a small ✓.
   Mark all the angles that are greater than 90° with a small ✗.

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1. Look at the bar chart. There are 40 students altogether, 20 in Stage 3 and 20 in Stage 4. Write the correct numbers on the vertical axis.

![Students' favourite drinks bar chart]

For questions 2 to 6, circle the correct answer. For questions 2 to 4 look at the bar chart in question 1.

2. What is the most popular choice of drink for Stage 3 students?
   a) apple juice
   b) orange juice
   c) water
   d) lemonade

3. What is the least popular choice of drink for Stage 4 students?
   a) apple juice
   b) orange juice
   c) water
   d) lemonade

4. Which statement is not true?
   a) Orange juice is the most popular drink for Stage 3.
   b) Eight Stage 4 students chose water to drink.
   c) More Stage 3 students than Stage 4 students chose apple juice to drink.
   d) Only three Stage 3 students chose water to drink.

5. What do the circles in this Venn diagram represent?
   ![Venn diagram]
   a) ‘Multiples of 5’ and ‘Multiples of 4’
   b) ‘Multiples of 5’ and ‘Multiples of 2’
   c) ‘Multiples of 5’ and ‘Multiples of 10’
   d) ‘Factors of 5’ and ‘Factors of 2’

6. In this Carroll diagram all the numbers are in the correct place except one.
   ![Carroll diagram]
   Which number is in the wrong place?
   a) 24
   b) 14
   c) 6
   d) 18

7. Imagine that you want to find out the favourite fruit of students in your class. You only have space for five fruits on your graph. Write a suitable question.

Label the axes for this graph that you would use to show the results of the survey.

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